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# World Hepatitis Day — July 28, 2011

July 28, 2011, marks the first official World Hepatitis Day established by the World Health Organization (WHO). CDC joins with WHO in calling for a renewed commitment against a largely silent but persistent epidemic. Worldwide, nearly 500 million persons are living with chronic hepatitis B virus or hepatitis C virus (HCV) infections, and these infections cause approximately 1 million deaths annually (1); most persons with chronic viral hepatitis are unaware of their infections. Effective tools are available to prevent infection with viral hepatitis, including hepatitis B vaccination, surveillance, education, screening, and treatment; the challenge is to build the capacity to extend these interventions globally. In 2010, the World Health Assembly passed a resolution urging greater control of viral hepatitis (2).

In Europe, HCV infection outbreaks and rising incidence have been observed among men who have sex with men (MSM) with human immunodeficiency virus (HIV) infection. This issue of *MMWR* includes a report on sexual transmission of HCV among HIV-infected MSM in New York City. The findings emphasize the importance of HCV screening among these men, which allows for preventive care and treatment.

In the United States, World Hepatitis Day will be observed July 28 at a White House event. Information regarding the webcast of this event will be available at http://www.cdc.gov/hepatitis.

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# Sexual Transmission of Hepatitis C Virus Among HIV-Infected Men Who Have Sex with Men — New York City, 2005–2010

In the United States, an estimated 3.2 million persons are living with hepatitis C virus (HCV) infection (1). HCV transmission occurs primarily through percutaneous exposure to blood, and persons who inject drugs are at greatest risk for infection. The role of sexual transmission of HCV has not been well defined. However, reports over the past decade, mainly from Europe, have implicated sexual transmission of HCV among human immunodeficiency virus (HIV)-infected men who have sex with men (MSM). In late 2005, two HIVinfected MSM, each with acute HCV infection that was suspected to have been acquired sexually, were evaluated at Mount Sinai Medical Center in New York City, prompting Mount Sinai to request referrals of similar patients (2). During 2005-2010, a total of 74 HIV-infected MSM with recently acquired HCV infection and no reported history of injection-drug use were evaluated. To examine the role of sexual transmission, a matched case-control study and viral analysis were conducted. Results from the case-control study showed that high-risk sexual behavior was the most likely mode of transmission among these men. Phylogenetic analyses revealed five clusters of closely related HCV variants, suggesting networks of transmission among these men. The findings underscore the importance of screening HIV-infected MSM for HCV, particularly those engaged in high-risk sexual behavior.

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**U.S. Department of Health and Human Services** Centers for Disease Control and Prevention

For this study, a case-patient was defined as an HIV-infected MSM examined at Mount Sinai during October 2005-December 2010 who had 1) a newly elevated alanine transferase (ALT) level, 2) a newly positive HCV-antibody test result, and 3) no other evident cause of the newly elevated ALT level. To the extent possible, positive HCV-antibody results were confirmed by HCV RNA testing. If no record was found of a previous negative HCV-antibody test, a finding of jaundice or an ALT elevation of more than 15-fold above the upper limit of normal (i.e., >450 U/L) also was required. To assess whether patients might have had a previous positive HCV test result unknown to the referring physicians, the date of the first positive HCV-antibody test of a subset of patients (24 men) was confirmed by the New York City Department of Health and Mental Hygiene through review of the hepatitis registry of HCV surveillance data. Providers of primary care to HIVinfected MSM in New York City (who, as part of care, routinely obtain ALT levels on their patients during HIV monitoring visits) were contacted by the lead investigator and asked to refer patients with newly elevated ALT levels to Mount Sinai as soon as possible. Reminders were provided periodically throughout the study period. A total of 35 HIV-care providers contributed information on their patients to this study.

### **Characteristics of Case-Patients**

During October 2005–December 2010, Mount Sinai evaluated 74 HIV-infected MSM who reported no injection-drug use and had newly elevated ALT levels and a positive HCV antibody test result; 73 of 74 also had documented HCV viremia. Median age of the 74 patients was 39 years; 41 were non-Hispanic white, 14 non-Hispanic black, 18 Hispanic, and one Asian (Table 1). Median CD4+ cell count for the patients was 483 cells/ $\mu$ L (range: 66–1,258 cells/ $\mu$ L). Sixty patients (81%) were asymptomatic, and new HCV infection was detected solely because of new ALT elevation; 14 (19%) had jaundice at presentation. Median peak ALT level was 665 U/L (range: 72–5,291 U/L). No other cause for the patients' elevated ALT levels was found (e.g., no new infection with hepatitis A or B virus and no new drug therapy). Of the 74 patients, 65 (91%) had a previous negative HCV-antibody test result before detection of hepatitis (median: 12 months; range: 0–110 months).

### **Case-Control Study**

To assess the role of sexual transmission of HCV, a matched case-control study was conducted beginning in July 2007. HIV-infected MSM examined at Mount Sinai during July 2007–December 2010 who were within 12 months of clinical onset of HCV infection and who reported no injection-drug use were recruited as case-patients. For each case-patient, 1–10 controls (i.e., HIV-infected MSM who did not have HCV infection, reported no injection-drug use, and matched by age [±5 years] and race/ethnicity) were recruited by Mount Sinai staff members from among the practices that referred



TABLE 1. Characteristics of MSM with HIV and recent HCV coinfection
(N = 74) — New York City, 2005–2010

Characteristic		Result
Age (median) (yrs)	39	(23–63)
Race/Ethnicity		
White, non-Hispanic (No. [%])	41	(55)
Black, non-Hispanic (No. [%])	14	(19)
Hispanic (No. [%])	18	(24)
Asian, non-Hispanic (No. [%])	1	(1)
CD4 count (median) (cells/µL)	483	(66–1,258)
Duration of HIV infection (median) (yrs)	8	(0–23)
Receipt of antiretroviral drug therapy (No. [%])	55	(74)
HIV viral load <400 copies/mL (No. [%])	50	(68)
No previous HCV-positive serology (No. [%])	9	(12)
Seroconversion interval* (median) (mos) (N = 65)	12	(0–110)
Presence of jaundice on presentation (No. [%])	14	(19)
Peak ALT (median) (U/L)	665	(72–5,291)
Peak HCV viral load (log <sub>10</sub> IU/mL)	6.68	(<0.7-8.0)
HCV genotype (N = 72)		
1a (No. [%])	65	(90)
1b (No. [%])	4	(6)
2b (No. [%])	2	(3)
3a (No. [%])	1	(1)

Abbreviations: MSM = men who have sex with men; HIV = human immunodeficiency virus; HCV = hepatitis C virus; ALT: alanine aminotransferase. \* Interval between last negative and first positive HCV antibody test.

case-patients during the enrollment period. In all, 22 casepatients and 53 control subjects were enrolled in the study.

All participants were asked to complete self-administered questionnaires regarding their sexual practices and drug-use behaviors during the 12 months preceding diagnosis (for case-patients) or preceding the questionnaire (for matched controls). To conduct a matched analysis, a conditional logistic regression of each variable (i.e., sexual practice or drug use behavior) was performed. Those variables that had a p value of  $\leq 0.20$  in the univariable analysis, as well as those previously associated with sexual transmission (*3*), were entered into a model and analyzed using multivariable conditional logistic regression (i.e., forward, backward, and stepwise) to determine which variables were independently associated with HCV infection.

**Univariable results.** Univariable analyses indicated that the HIV-infected MSM newly infected with HCV (case-patients) were significantly more likely than the HIV-infected MSM without HCV infection (matched controls) to have had receptive (matched odds ratio [mOR] = 24.87) or insertive (mOR = 2.62) anal intercourse with no condom and with ejaculation, practiced receptive (mOR = 10.08) or insertive (mOR = 7.90) fisting, used sex toys (mOR = 4.38), engaged in group sex (mOR = 19.28), engaged in sex while high on drugs (mOR = 11.37), previously had syphilis (mOR = 8.80) or gonorrhea (mOR = 5.02), and had sex while high

on methamphetamine (mOR = 26.80) (Table 2). Because three variables (receptive anal intercourse, no condom, no ejaculation; sex while high on gamma hydroxybutyrate [GHB]; and sex while high on ketamine) yielded undefined ORs, the data were analyzed further using exact conditional logistic regression. Results showed that case-patients were significantly more likely than controls to report receptive anal intercourse with no condom and no ejaculation (mOR = 24.26) and sex while high on GHB (mOR = 16.34).

**Multivariable results.** Results from the multivariable analyses showed that receptive anal intercourse with no condom and with ejaculation of the partner (adjusted odds ratio [AOR] = 23.00) and sex while high on methamphetamine (AOR = 28.56) were both significantly related to acquiring HCV infection. Of all the practices and behaviors, having sex while using methamphetamine was most strongly associated with HCV infection (Table 2).

### **Results of Phylogenetic Analyses**

Polymerase chain reaction and sequencing of a 470 base-pair region of NS5B from HCV strains recovered from 50 of the 74 men were conducted using methods described previously (4). Forty-seven of the 50 were genotype 1a, and three were genotype 1b. A maximum-likelihood phylogenetic tree was then created (5).\* These analyses identified five clusters of closely related HCV variants from 26 (55%) of the 47 men with genotype 1a infections.

#### What is already known on this topic?

Infection with hepatitis C virus (HCV) is a major cause of morbidity, and, if left untreated, can lead to chronic liver disease and death. HCV transmission occurs primarily through percutaneous exposure to blood (injection-drug users are at greatest risk), but the role of sexual transmission has not been well defined.

#### What is added by this report?

Sexual transmission was found to be the most likely mode of transmission of HCV among human immunodeficiency virus (HIV)–infected men who have sex with men (MSM) in this study in New York City.

#### What are the implications for public health practice?

These findings, and those elsewhere, suggest that sexual transmission of HCV can occur undetected among HIV-infected MSM in the absence of injection-drug use. Health-care providers should consider HCV testing for HIV-infected MSM with high-risk sexual behaviors or concomitant ulcerative sexually transmitted diseases (e.g., syphilis and herpes simplex virus).

<sup>\*</sup> Available at http://www.cdc.gov/hepatitis/resources/professionals/pdfs/msm\_ hcv\_ns5b-sequence\_tree.pdf.

		oatients = 22)		Controls* (n = 53)		nivariable anal	ysis	Multivariable analysis		
Characteristic	No.	(%)	No.	(%)	OR	(95% CI)	p value	AOR	(95% CI)	p value
Receptive anal intercourse, with condom				Û.						
Yes	16	(73)	26	(50)	1.68	(0.57-4.96)	0.35			
No	6	(27)	26	(50)						
Receptive anal intercourse, no condom, no ejaculation										
Yes	22	(100)	21	(40)	ND <sup>†</sup>					
No	0	_	32	(60)						
Receptive anal intercourse, no condom, with ejaculation										
Yes	19	(86)	12	(23)	24.87	(3.18–194.55)	0.002	23.00	(2.17–243.84)	0.009
No	3	(14)	41	(77)						
Insertive anal intercourse, with condom										
Yes	13	(59)	24	(45)	1.34	(0.48–3.78)	0.58			
No	9	(41)	29	(55)						
Insertive anal intercourse, no condom, no ejaculation										
Yes	17	(77)	18	(34)	8.13	(1.76–37.55)	0.007			
No	5	(23)	35	(66)						
Insertive anal intercourse, no condom, with ejaculation										
Yes	13	(59)	14	(26)	2.62	(1.00–6.87)	0.05			
No	9	(41)	39	(74)						
Receptive fisting										
Yes	8	(36)	3	(6)	10.08	(2.03–50.02)	0.005			
No	14	(64)	50	(94)						
Insertive fisting										
Yes	8	(36)	3	(6)	7.90	(1.96–31.84)	0.004			
No	14	(64)	50	(94)						
Use of sex toys										
Yes	12	(55)	13	(25)	4.38	(1.35–14.26)	0.01			
No	10	(45)	40	(75)						
Group sex										
Yes	20	(91)	18	(34)	19.28	(2.51–148.23)	0.005			
No	2	(9)	35	(66)						
Previously had syphilis										
Yes	11	(50)	9	(17)	8.80	(1.88–41.05)	0.006			
No	11	(50)	43	(83)						
Previously had gonorrhea										
Yes	15	(68)	17	(33)	5.02	(1.40–18.05)	0.01			
No	7	(32)	35	(67)						

TABLE 2. Odds ratios for comparison of case-patients (HIV-infected MSM with HCV infection) and controls (HIV-infected MSM without HCV
infection), by sexual practice and drug use behavior, using conditional logistic regression — New York City, 2007–2010

See table footnotes on page 949.

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### **Editorial Note**

This report suggests high-risk sexual behavior as a cause of HCV transmission among HIV-infected MSM in New York City. Unprotected receptive anal intercourse with ejaculation and sex while high on methamphetamine were the most important predictors of HCV infection. Results from phylogenetic analyses suggest networks of HCV transmission among these men. The findings of high-risk sex, concurrent noninjection-drug use, and phylogenetic clustering are similar to those observed among cohorts of HIV-infected MSM with HCV infection in Northern Europe and Australia (4). A notable finding from this study and those in other countries is the association of noninjection, recreational drug use (e.g., methamphetamine use) with the acquisition of HCV infection.

Sexual transmission of HCV is considered to be an inefficient and rare mode of transmission (6). However, concurrent HIV infection results in increased HCV RNA levels (viral load) (7), which are thought to increase infectiousness of HCV acquired through sexual contact. Of further concern among persons who are coinfected is that HIV accelerates HCV disease progression, even in its early stages (2). End-stage liver disease and hepatocellular carcinoma, both usually resulting from

Characteristic Sex while high on drugs	No.	(%)	No.	(%)	0	R	(95% CI)			(0.50) (0)	
Sex while high on drugs							(95% CI)	p value	AOR	(95% CI)	p value
Yes	4	(81)	14	(27)	11.	37	(2.51–51.52)	0.002			
No	4	(19)	38	(73)							
Sex while high on cocaine											
Yes	3	(14)	4	(8)	1.	32	(0.27-6.50)	0.74			
No	19	(86)	49	(92)							
Sex while high on GHB											
Yes	7	(32)	0	_	N	ID†					
No	15	(68)	53	(100)							
Sex while high on ketamine											
Yes	2	(9)	0	_	N	ID†					
No	20	(91)	53	(100)							
Sex while high on ecstasy											
Yes	4	(18)	2	(4)	2.	89	(0.52–16.12)	0.23			
No	18	(82)	51	(96)							
Sex while high on marijuana											
Yes	8	(36)	8	(15)	3.	10	(0.84–11.51)	0.09			
No	14	(64)	45	(85)							
Sex while high on methamphetamine											
Yes	13	(59)	2	(4)	26.	80	(3.30-217.77)	0.002	28.56	(1.84–443.03)	0.02
No	9	(41)	51	(96)							
Sex while drunk											
Yes	13	(59)	19	(37)	0.	18	(0.67–7.04)	0.19			
No	9	(41)	33	(63)							

TABLE 2. (Continued) Odds ratios for comparison of case-patients (HIV-infected MSM with HCV infection) and controls (HIV-infected MSM without HCV infection), by sexual practice and drug use behavior, using conditional logistic regression — New York City, 2007–2010

Abbreviations: HIV = human immunodeficiency virus; MSM = men who have sex with men; HCV = hepatitis C virus; OR = odds ratio; CI = confidence interval; AOR = adjusted odds ratio; ND = not defined; GHB = gamma hydroxybutyrate.

\* Controls matched for age (±5 yrs) and race/ethnicity.

<sup>†</sup> Because each of these variables yielded undefined ORs, the data were further analyzed using exact conditional logistic regression. Univariable results were as follows: receptive anal intercourse, no condom, no ejaculation (OR = 24.26 [95% CI = 4.13- $\infty$ ], p<0.0001); sex while high on GHB (OR = 16.34 [95% CI = 2.39- $\infty$ ], p=0.002); sex while high on ketamine (OR = 4.38 [95% CI = 0.38- $\infty$ ], p=0.222). All variables were further tested in a model using exact conditional logistic regression; however, none of the three variables exhibited significant independent effects on acquiring HCV infection in the multivariable nalysis. The multivariable results from the exact conditional procedure were the same as those from the conditional procedure (i.e., only receptive anal intercourse, no condom, with ejaculation and sex while high on methamphetamine exhibited significant independent effects on acquiring HCV infection).

chronic HCV infection, are now leading causes of death not attributable to acquired immunodeficiency syndrome (AIDS) among HIV-infected persons in the United States (8).

The findings in this report are subject to at least three limitations. First, recall of events such as ejaculation by sex partner up to 12 months before HCV diagnosis can be imperfect. For example, the findings should not be interpreted to definitively exclude acquisition of HCV by some men through unprotected receptive anal intercourse without ejaculation, even though this variable did not exert a significant independent effect on HCV infection in the multivariable analysis. Second, refusal to acknowledge injection-drug use is not uncommon, and other types of stigmatizing risk behavior also might be underreported. Such social desirability bias was addressed by using a self-administered questionnaire and assuring each patient that his responses would not be shared with his primary-care provider. Finally, study investigators relied on patient referrals from HIV-care providers outside Mount Sinai, and referral bias might have occurred; however, the number of referring providers was fairly sizable (n = 35).

Sexual transmission of HCV among HIV-infected MSM is more widespread than this one study demonstrates. A recent U.S. report described HCV-antibody seroconversions among HIV-infected MSM without a history of injection-drug use (9). A recent European report that examined a group of studies, primarily from Europe, found substantial increases, particularly during 2002-2007, in the incidence of HCV infection among HIV-infected MSM, demonstrating just how serious the epidemic has become among these men (10). Hepatitis C should be added to the list of infections spread among HIV-infected MSM who have sex with HCV-infected partners. HIV-infected patients should be counseled and reminded that unprotected sex between HIV-infected partners can transmit other infections, including HCV. In addition to HCV screening for MSM newly diagnosed with HIV, routine HCV screening using both ALT and antibody testing should be considered for HIV-infected MSM, particularly those with high-risk sexual behaviors or concomitant ulcerative sexually transmitted diseases (e.g., syphilis and herpes simplex virus).<sup>†</sup>

<sup>&</sup>lt;sup>†</sup>Based on CDC's Sexually Transmitted Diseases Treatment Guidelines, 2010, available at http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5912a1.htm.

Finally, newly diagnosed HCV infections among HIV-infected MSM should be reported to state and local health authorities.

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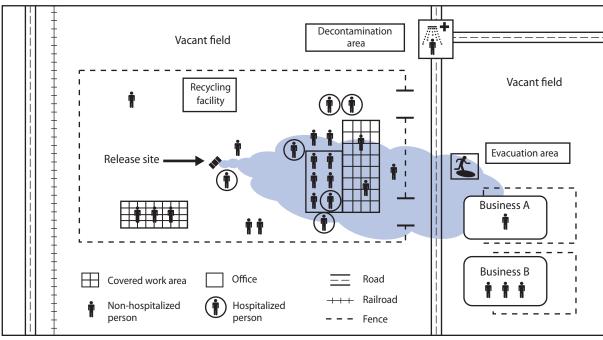
# Chlorine Gas Exposure at a Metal Recycling Facility — California, 2010

On June 8, 2010, chlorine gas was released from a ruptured, 1-ton, low-pressure tank being recycled at a California metal recycling facility. A total of 23 persons, including employees, customers, and workers at nearby businesses, were treated for the effects of the fumes at seven area hospitals. Chlorine is a corrosive, greenish-yellow gas that is heavier than air and can cause severe respiratory damage; it is used widely in water purification, sewage treatment, and disinfectant washes for foods. Following the incident, the Agency for Toxic Substances and Disease Registry (ATSDR) and CDC collaborated with the California Department of Public Health (CDPH) on an Assessment of Chemical Exposures (ACE) to determine 1) the circumstances surrounding those exposed during the chlorine gas release, 2) health effects associated with exposures, and 3) recommendations for preventing recurrences. This report describes the chlorine gas release in California and summarizes the results of the ACE investigation. Of 29 persons potentially exposed to chlorine gas, 27 were interviewed to collect information regarding their exposures. In addition, information regarding acute health effects and symptoms was abstracted from medical records. At the time of the chlorine gas release, 15 persons were outdoors, and 13 were exposed for >30 minutes before they were decontaminated. Twentythree persons reported experiencing one or more upper or lower respiratory tract symptoms within 24 hours of exposure; six persons were hospitalized for 1–11 days. Based on these findings, CDPH issued a statewide alert to all recycling facilities on how to handle containers with potential hazardous waste.

The chlorine gas release occurred at 2:44 p.m. at a metal recycling facility located in an industrial area. A worker used an excavator to cut into a 1-ton, low-pressure tank that was unlabeled, reportedly empty, and sold to the facility as scrap metal. When punctured, the tank produced an explosive release of a greenish-yellow cloud of gas. The release occurred outdoors in an open work area and affected 29 persons who were at or near the recycling facility (Figure). Of the 16 workers at the recycling facility, the majority were outdoors at the time of the release. Most followed a planned evacuation route, exiting the facility through the main gate and meeting in an open field across the street in an evacuation area that was downwind from the tank (Figure).

When emergency medical services and fire department personnel arrived at the scene, they set up a decontamination area 200 yards north of the facility, where the majority of exposed persons were decontaminated by rinsing with water. Twentytwo of those exposed were then transported by ambulance (one person self-transported) to seven local hospitals where some were decontaminated again by removing clothing and washing

FIGURE. Schematic of chlorine gas release at a metal recycling facility, which resulted in 23 persons seeking hospital treatment and six being hospitalized — California, 2010



with soap and water. At 5:58 p.m., local hazardous materials team members identified the gas as chlorine and measured a concentration of 328 ppm near the tank.

ATSDR and CDC arrived in California on June 14 to assist CDPH with the ACE investigation. The ACE program, which is part of the National Toxic Substance Incidents Program, provides assistance to state and local health departments for rapid assessments after large-scale toxic substance releases. Of the 29 persons identified as potentially exposed during the release, 16 were workers at the facility, and 13 were either customers or in businesses located across the street and downwind from the tank. Twenty-seven persons were interviewed (in English and Spanish), and information was collected regarding demographics, exposure characteristics, acute health effects, medical history, occupational history, and health services use. Two persons were not available at the time of interviews. Medical charts were obtained and abstracted for the 23 persons treated at area hospitals, six of whom were admitted. One of the six hospitalized persons was not interviewed.

Twenty-seven (93%) of the 29 potentially exposed persons were aged >18 years; average age was 40 years, with a range of 2–77 years. Of the 27 interviewed, 20 (74%) were Hispanic; 21 (78%) were male, and 18 (67%) had at least a high school education. Fifteen (56%) persons were outdoors at the time of the chlorine gas release, and 24 (89%) reported smelling an odor (Table 1). A total of 22 (82%) had been decontaminated (either by rinsing with water, removing clothing, or washing with soap and water), and 13 (48%) said they were exposed to chlorine gas for >30 minutes before being decontaminated. Five (19%) said they were exposed for <30 minutes, and nine (33%) either did not know how long or did not answer the question.

Twenty-three (85%) of the 27 persons interviewed reported experiencing acute health effects within 24 hours of the chlorine gas release (Table 2). The most common symptoms reported were coughing (22 persons, 82%); difficulty breathing/feeling out of breath (22, 82%); headache (21, 78%); and burning of the nose, throat, or lungs (20, 74%).

Among the 27 interviewed, five persons (19%) reported preexisting high blood pressure, four (15%) reported diabetes, and three (11%) reported allergies (11%); eight (30%) reported current smoking. None of the 27 reported any preexisting respiratory conditions (e.g., asthma or chronic obstructive pulmonary disease) that might have placed them at greater risk from the chlorine exposure.

Of the 23 exposed persons who received care at seven area hospitals, 17 (74%) were treated and discharged from the emergency department, and six (26%) were hospitalized. Five (83%) of the six hospitalized patients worked at the recycling facility. Among those who received medical care, TABLE 1. Circumstances surrounding chlorine gas exposure reported by 27 persons who were interviewed — California, 2010

Circumstance	No.	(%)
Exposure time*		
<30 min	5	(19)
≥30 min	13	(48)
Don't know/Missing	9	(33)
Location		
Indoors	10	(37)
Outdoors	15	(56)
Don't know/Missing	2	(7)
Distance from release site		
≤100 yards	10	(37)
>100 yards	15	(56)
Don't know/Missing	2	(7)
Smelled odor		
Yes	24	(89)
No	2	(7)
Don't know/Missing	1	(4)
Odor type		
Strong	23	(85)
Mild	—	—
Don't know/Missing	4	(15)
In gas cloud		
Yes	15	(56)
No	9	(33)
Don't know/Missing	3	11
Evacuated area		
Yes	25	(93)
No	1	(4)
Don't know/Missing	1	(4)
Sheltered in place		
Yes	1	(4)
No	25	(93)
Don't know/Missing	1	(4)
Decontaminated		
Yes	22	(82)
No	5	(19)

\* Exposure time = (time decontaminated) - (time of chlorine gas release).

TABLE 2. Health effects experienced by 27 persons within 24 hours
of chlorine gas exposure — California, 2010

Health effect	No.	(%)
Yes	23	(85)
No	4	(15)
Symptoms within 24 hrs*		
Coughing	22	(82)
Difficulty breathing/feeling out of breath	22	(82)
Headache	21	(78)
Burning nose, throat, or lungs	20	(74)
Increased congestion or mucous	19	(70)
Dizziness/lightheadedness	18	(67)
Eye irritation/pain/burning	18	(67)
Runny nose	18	(67)
Wheezing in chest	17	(63)
Chest tightness or pain/angina	16	(59)
Nausea	16	(59)
Skin irritation/pain/burning	8	(30)

\* Affected persons were asked about each symptom separately. The number responding "yes" for each symptom is shown.

#### What is already known on this topic?

Exposure to chlorine, which is used in numerous industrial processes and for water treatment, can cause severe respiratory damage, depending on the concentration.

#### What is added by this report?

In June 2010 in California, chlorine gas was released from a tank sold as scrap metal; 23 persons were treated for the effects of the fumes, including six who were hospitalized for 1–11 days.

### What are the implications for public health practice?

Health officials should urge metal recycling facilities to 1) only accept containers that are cut open, dry, or without a valve or plug; 2) treat closed containers as potential hazardous waste; and 3) develop and practice a hazardous gas release evacuation plan.

four had an oxygen saturation level <95% recorded in the emergency department. Five persons had an arterial blood gas measurement when they first reached a hospital, and their partial pressure of oxygen values ranged from 62 to 78 mmHg (reference range: 80–100 mmHg) (*1*).

Among those who were discharged from the emergency department, three received oxygen, and nine were prescribed nebulized  $\beta_2$ -agonists. All six of those hospitalized were prescribed nebulized  $\beta_2$ -agonists; five received oxygen, three were given steroids (oral or intravenous), and two were treated with antibiotics. Most of the hospitalized patients were released after 1–4 days. However, one recycling facility worker was hospitalized for 11 days and required mechanical ventilation for 2 days.

#### **Reported by**

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#### **Editorial Note**

The incident described in this report demonstrates the risk for unintentional release of a hazardous substance at a metal recycling facility. During 2001–2009, ATSDR's Hazardous Substance Emergency Events Surveillance (HSEES) program received reports of 21 incidents in nine participating states involving a tank that contained a hazardous substance.

In 2009, a total of 230 chlorine release events were reported to HSEES, of which 81 resulted in injuries (2). In California, which is not an HSEES participating state, an earlier chlorine gas release occurred in February 2010 at another scrap metal recycling facility. In that incident, a 1-ton tank being moved by a crane was punctured, and chlorine gas released, resulting in hospitalization of five workers for respiratory symptoms (3).

Chlorine, in its various forms, is used in chemical and plastic manufacturing, textile and paper bleaching, and water purification (4). Chlorine is a respiratory irritant and can produce symptoms ranging from mild ocular and upper respiratory irritation to severe inflammation of bronchoalveolar tissues, which can lead to death (5). The symptoms caused by chlorine depend on the concentration to which a person is exposed. In the incident described in this report, the symptoms experienced were consistent with those reported in previous community exposures (6-10). Although the number of exposed persons was smaller in this incident, the proportion hospitalized was higher (21%) than in incidents reported previously in Pennsylvania (8%) (7) and South Carolina (12%) (10). However, unlike those earlier incidents, which occurred near highly populated areas and involved greater amounts of chlorine gas, no fatalities occurred in California.

As a result of the June 2010 incident in California, the CDPH Division of Environmental and Occupational Disease Control, Emergency Planning and Preparedness Team produced a Chemical Release Alert, which was mailed to approximately 1,200 recycling facilities in the state. The alert urged facilities to 1) only accept containers that are cut open, dry, or without a valve or plug; 2) treat all closed containers as potential hazardous waste; and 3) develop and practice an evacuation plan, including training workers to stay upwind when evacuating after a hazardous gas release (*3*).

#### Acknowledgments

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# Severe Hearing Impairment Among Military Veterans — United States, 2010

A substantial proportion of hearing loss in the United States is attributable to employment-related exposure to noise (1). Among military veterans, the most common service-connected disabilities are hearing impairments (2), suggesting that occupational noise exposure during military service might cause more veterans to have hearing loss than nonveterans. However, a recent analysis of data from the 1993-1995 Epidemiology of Hearing Loss Study did not find significant differences between the two groups (3). To further investigate hearing loss among veterans, specifically the prevalence of severe hearing impairment (SHI), data from the 2010 Annual Social and Economic Supplement (ASEC) to the Current Population Survey (CPS) were analyzed. This report describes the results of those analyses, which indicated that the prevalence of SHI among veterans was significantly greater than among nonveterans. Veterans were 30% more likely to have SHI than nonveterans after adjusting for age and current occupation, and veterans who served in the United States or overseas during September 2001-March 2010, the era of overseas contingency operations (including Operations Enduring Freedom and Iraqi Freedom), were four times more likely than nonveterans to have SHI. These findings suggest a need for increased emphasis on improving military hearing conservation programs (HCPs) and on hearing loss surveillance in military and veterans' health systems.

CPS is a monthly national survey of 57,000 households conducted by the Bureau of the Census for the Bureau of Labor Statistics. CPS obtains information on employment, demographics and other characteristics of the civilian, noninstitutionalized population aged ≥16 years. ASEC is conducted each year in conjunction with the March survey to collect additional data on work experience, income, noncash benefits, and migration. Data on all sample household members are collected from a single respondent by trained interviewers using a standardized questionnaire during in-person or telephone interviews. The combined 2010 CPS-ASEC response rate was 85.9% (4). For this report, data on 151,995 persons aged ≥17 years were analyzed to produce population-weighted estimates of SHI prevalence for the total population and various demographic and occupational subgroups by veteran status and period of most recent military service (before September 2001 versus September 2001–March 2010). Veteran status was defined as ever having served on active duty in the armed forces. SHI was identified based on self or proxy report of being deaf or having "serious difficulty hearing" (4). Prevalence ratios, adjusted for the effect of demographic and occupational\* factors, were produced using multivariable Poisson regression. Two regression models were used. The first, model A, treated the independent variable, veteran status, as dichotomous, and was used to compare all veterans with nonveterans. The second, model B, included three categories for the independent variable and was used to compare veterans who served before and after September 2001 with nonveterans separately.

In 2010, 8.9% of the U.S. population aged  $\geq$ 17 years were veterans, but only 0.7% of the population had served after September 2001. The prevalence of SHI among nonveterans was 2.5%. Among all veterans, the prevalence was 10.4%; among veterans who served after September 2001, the prevalence was 3.9% (Table 1).<sup>†</sup> The prevalence of SHI increased with age for veterans and nonveterans.

Among nonveterans, men and women reported similar prevalences of SHI (2.3% and 2.5%, respectively). Female veterans, however, had a significantly lower prevalence of SHI than male veterans (4.0% versus 10.9%; p<0.05), but a significantly higher prevalence than either male or female nonveterans. Among nonveterans and veterans alike, non-Hispanic blacks reported the lowest SHI prevalence of all racial/ethnic groups and non-Hispanic whites the highest. The prevalence of SHI was significantly higher for veterans than for nonveterans in all occupational categories (p<0.05) except farming, fishing, and forestry, and in production occupations.<sup>§</sup> Small sample sizes limited the ability to compare subgroups for veterans who served after September 2001.

In the multivariable analysis, increasing age was positively associated with SHI, as was working in certain occupational categories (Table 2) and unemployment or nonparticipation in the labor force, relative to working in management, business, and financial occupations. Female sex and race/ethnicity other than non-Hispanic white were significantly negatively associated with SHI (p<0.05). Controlling for demographic factors and occupation, all veterans were 30% more likely to have SHI than nonveterans in model A (adjusted prevalence ratio = 1.3). In model B, veterans who served after September 2001 were four times more likely than nonveterans to have SHI (adjusted prevalence ratio = 4.0) (Table 2).

<sup>\*</sup> Current occupation was defined based on the 11 major groupings of census occupation codes used in the CPS-ASEC. The CPS-ASEC uses 2002 census occupation codes, which, in turn, are based on the 2000 standard occupational classification (SOC) codes.

<sup>&</sup>lt;sup>†</sup>Bivariate analyses not age-standardized.

<sup>&</sup>lt;sup>§</sup> Production occupations include assemblers and fabricators; plant and system operators; machinists and machine operators; and food processing, metal, plastic, printing, textile, apparel, furnishing, and wood workers.

				Veterans							
	Nonveterans	i	All	service period	ds	S	September 2001–2010 service period				
No.*	% with SHI <sup>†</sup>	(95% CI)	No.*	% with SHI <sup>+</sup>	(95% CI)	No.*	% with SHI <sup>†</sup>	(95% CI)			
212,237	2.5	(2.3–2.6)	20,634	10.4	(9.8–11.0)	1,696	3.9	(2.6–5.8)			
33,463	0.4	(0.4–0.5)	197	0.8	(0.1-4.9)	197	0.8	(0.1–4.9)			
39,425	0.5	(0.4–0.6)	1,286	2.0	(1.2–3.5)	869	2.8	(1.6–4.9)			
38,142	1.0	(0.8-1.1)	2,051	1.8	(1.1–2.8)	257	3.7	(1.4–9.7)			
41,128	1.5	(1.3–1.7)	3,186	3.9	(3.0-5.0)	257	4.4	(1.7–11.3)			
30,334	3.0	(2.7–3.3)	5,045	8.2	(7.1–9.5)	111	17.8	(8.4-33.7)			
29,745	10.0	(9.4–10.6)	8,869	17.4	(16.2–18.6)	4	0.0	_			
93,494	2.3	(2.2–2.5)	19,141	10.9	(10.3–11.6)	1,397	4.3	(2.8–6.3)			
118,743	2.5	(2.4–2.7)	1,493	4.0	(2.7–5.7)	299	2.5	(0.8-7.1)			
141,442	2.9	(2.7-3.0)	16,825	11.3	(10.6–12.0)	1,155	4.8	(3.0–7.5)			
24,804	1.5	(1.3–1.7)	2,056	4.6	(3.5–5.8)	262	0.8	(0.1-4.8)			
31,513	1.6	(1.4–1.8)	1,107	8.3	(6.5–10.7)	203	3.1	(0.9-10.5)			
14,479	1.8	(1.5-2.1)	645	8.8	(6.7–11.5)	77	4.0	(1.0–14.8)			
20,401	1.0	(0.8-1.2)	1,936	4.7	(3.4–6.5)	212	2.3	(0.7–7.7)			
30,665	0.9	(0.8-1.1)	1,911	3.7	(2.6-5.2)	254	2.6	(0.8-8.6)			
25,854	1.0	(0.8-1.1)	1,439	4.0	(2.8–5.7)	271	2.3	(0.7–7.2)			
16,305	1.1	(0.9–1.4)	935	4.0	(2.5-6.3)	88	0.0	_			
18,876	1.0	(0.8-1.2)	874	5.2	(3.3-8.2)	146	5.0	(1.8–13.0)			
1,119	1.6	(0.8-3.1)	41	9.0	(1.2-45.1)	4	0.0	_			
8,394	1.3	(1.0-1.6)	861	5.5	(3.4-8.8)	99	3.4	(0.4–23.7)			
4,682	1.3	(0.9–2.0)	776	5.4	(3.3-8.9)	91	6.1	(2.1–16.4)			
8,299	1.7	(1.3–2.2)	790	3.2	(1.9–5.1)	101	4.4	(1.0–17.4)			
8,301	1.3	(0.9–1.7)	1,053	5.0	(3.2-7.7)	119	2.7	(0.4–17.5)			
11	0.0	_	29	5.1	(0.7-30.4)	27	5.5	(0.7–32.3)			
69,328	5.3	(5.0–5.6)	9,989	16.7	(15.6–17.9)	285	8.4	(4.5–15.1)			
	212,237 33,463 39,425 38,142 41,128 30,334 29,745 93,494 118,743 141,442 24,804 31,513 14,479 20,401 30,665 25,854 16,305 18,876 1,119 8,394 4,682 8,299 8,301 11	No.*     % with SHI <sup>†</sup> 212,237     2.5       33,463     0.4       39,425     0.5       38,142     1.0       41,128     1.5       30,334     3.0       29,745     10.0       93,494     2.3       118,743     2.5       141,442     2.9       24,804     1.5       31,513     1.6       14,479     1.8       20,401     1.0       30,665     0.9       25,854     1.0       16,305     1.1       18,876     1.0       1,119     1.6       8,394     1.3       4,682     1.3       8,299     1.7       8,301     1.3       11     0.0	212,237     2.5 $(2.3-2.6)$ 33,463     0.4 $(0.4-0.5)$ 39,425     0.5 $(0.4-0.6)$ 38,142     1.0 $(0.8-1.1)$ 41,128     1.5 $(1.3-1.7)$ 30,334     3.0 $(2.7-3.3)$ 29,745     10.0 $(9.4-10.6)$ 93,494     2.3 $(2.2-2.5)$ 118,743     2.5 $(2.4-2.7)$ 141,442     2.9 $(2.7-3.0)$ 24,804     1.5 $(1.3-1.7)$ 31,513     1.6 $(1.4-1.8)$ 14,479     1.8 $(1.5-2.1)$ 20,401     1.0 $(0.8-1.2)$ 30,665     0.9 $(0.8-1.1)$ 25,854     1.0 $(0.8-1.2)$ 1,119     1.6 $(0.8-3.1)$ 8,394     1.3 $(1.0-1.6)$ 4,682     1.3 $(0.9-2.0)$ 8,299     1.7 $(1.3-2.2)$ 8,301     1.3 $(0.9-1.7)$	No.*% with SHI <sup>†</sup> (95% CI)No.*212,2372.5 $(2.3-2.6)$ 20,63433,4630.4 $(0.4-0.5)$ 19739,4250.5 $(0.4-0.6)$ 1,28638,1421.0 $(0.8-1.1)$ 2,05141,1281.5 $(1.3-1.7)$ 3,18630,3343.0 $(2.7-3.3)$ 5,04529,74510.0 $(9.4-10.6)$ 8,86993,4942.3 $(2.2-2.5)$ 19,141118,7432.5 $(2.4-2.7)$ 1,493141,4422.9 $(2.7-3.0)$ 16,82524,8041.5 $(1.3-1.7)$ 2,05631,5131.6 $(1.4-1.8)$ 1,10714,4791.8 $(1.5-2.1)$ 64520,4011.0 $(0.8-1.2)$ 1,93630,6650.9 $(0.8-1.1)$ 1,43916,3051.1 $(0.9-1.4)$ 93518,8761.0 $(0.8-1.2)$ 8741,1191.6 $(0.8-3.1)$ 418,3941.3 $(1.0-1.6)$ 8614,6821.3 $(0.9-2.0)$ 7768,2991.7 $(1.3-2.2)$ 7908,3011.3 $(0.9-1.7)$ 1,05311 $0.0$ -29	No.*% with SHI*(95% Cl)No.*% with SHI*212,2372.5 $(2.3-2.6)$ 20,63410.433,4630.4 $(0.4-0.5)$ 1970.839,4250.5 $(0.4-0.6)$ 1,2862.038,1421.0 $(0.8-1.1)$ 2,0511.841,1281.5 $(1.3-1.7)$ 3,1863.930,3343.0 $(2.7-3.3)$ 5,0458.229,74510.0 $(9.4-10.6)$ 8,86917.493,4942.3 $(2.2-2.5)$ 19,14110.9118,7432.5 $(2.4-2.7)$ 1,4934.0141,4422.9 $(2.7-3.0)$ 16,82511.324,8041.5 $(1.3-1.7)$ 2,0564.631,5131.6 $(1.4-1.8)$ 1,1078.314,4791.8 $(1.5-2.1)$ 6458.820,4011.0 $(0.8-1.2)$ 1,9364.730,6650.9 $(0.8-1.1)$ 1,9113.725,8541.0 $(0.8-1.2)$ 8745.21,1191.6 $(0.8-3.1)$ 419.08,3941.3 $(1.0-1.6)$ 8615.54,6821.3 $(0.9-2.0)$ 7765.48,2991.7 $(1.3-2.2)$ 7903.28,3011.3 $(0.9-1.7)$ 1,0535.0110.0-295.1	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			

TABLE 1. Percentage of persons aged ≥17 years reporting severe hearing impairment (SHI), by veteran status and selected characteristics — Current Population Survey, United States, 2010

Abbreviation: CI: confidence interval.

\* Estimated population, in thousands.

<sup>†</sup> Bivariate analyses not age-standardized.

§ Production occupations include assemblers and fabricators; plant and system operators; machinists and machine operators; and food processing, metal, plastic, printing, textile, apparel, furnishing, and wood workers.

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#### **Editorial Note**

Military service can entail harmful exposure to high-intensity noise from firearms, explosives, jet engines, machinery, and other sources during combat operations, training, or in the course of general job duties. Such exposures can cause or contribute to hearing impairments, including hearing loss, if adequate hearing protection is not available and properly used (2,5). The findings in this report indicate that prior military service is associated with increased prevalence of SHI, independent of demographic factors and current occupation. For veterans who served after September 2001, the prevalence is even higher than for other veterans.

Noise-induced hearing loss is a permanent disability, although the impairment sometimes can be rehabilitated with hearing aids. Since 1978, the Department of Defense (DoD) policy has required each of the armed services to have in place HCPs incorporating noise hazard identification, safety signs and labels, noise mitigation, education and training, audiometric surveillance, and program evaluation (2). However, a 2005 Institute of Medicine report identified certain shortcomings in military HCPs (5). Between 10% and 18% of service members enrolled in military HCPs had standard threshold shifts in hearing,<sup>¶</sup> a prevalence two to five times higher than would be considered acceptable in a

<sup>&</sup>lt;sup>9</sup>A standard threshold shift is a change of 10 dB or more in the average hearing thresholds at 2,000, 3,000, and 4,000 Hz in comparison with a baseline audiogram.

	Mo	odel A	Model B		
Characteristic	APR	(95% CI)	APR	(95% CI)	
Age <sup>†</sup>	1.1	(1.1–1.1)	1.1	(1.1–1.1)	
Sex					
Male	Re	ferent	Re	ferent	
Female	0.6	(0.6–0.7)	0.6	(0.6–0.7)	
Race/Ethnicity					
White, non-Hispanic	Re	ferent	Re	ferent	
Black, non-Hispanic	0.6	(0.6-0.7)	0.6	(0.6–0.7)	
Hispanic	0.9	(0.8–1.0)	0.9	(0.8–1.0)	
Other, non-Hispanic	0.8	(0.7–1.0)	0.8	(0.7–1.0)	
Current occupation					
Management, business, and financial	Re	ferent	Referent		
Professional and related	1.0	(0.8–1.3)	1.0	(0.8–1.3)	
Service	1.3	(1.1–1.7)	1.3	(1.1–1.7)	
Sales and related	1.3	(1.0–1.7)	1.3	(1.0–1.7)	
Office and administrative support	1.3	(1.0–1.7)	1.3	(1.0–1.7)	
Farming, fishing, and forestry	1.9	(1.0–3.9)	1.9	(1.0–3.9)	
Construction and extraction	1.5	(1.2–2.0)	1.5	(1.2–2.0)	
Installation, maintenance, and repair	1.5	(1.1–2.2)	1.5	(1.0–2.2)	
Production <sup>§</sup>	1.7	(1.3–2.2)	1.7	(1.3–2.2)	
Transportation and material moving	1.4	(1.0–2.0)	1.4	(1.0–2.0)	
Other	4.9	(0.4–54.4)	2.0	(0.2–21.4)	
Unemployed or not in labor force	2.5	(2.1–3.0)	2.5	(2.1–3.0)	
Veteran					
Yes	1.3	(1.2–1.5)	—		
No	Re	eferent	—		
Period of military service					
September 2001–2010	_		4.0	(2.7–6.0)	
Before September 2001	—		1.3	(1.2–1.4)	
None	—		Re	ferent	

TABLE 2. Adjusted prevalence ratios (APRs)\* for severe hearing impairment among persons aged ≥17 years — Current Population Survey, United States, 2010

**Abbreviation:** CI = confidence interval.

\* Prevalence ratios statistically adjusted for the effects of all other variables in the table.

<sup>†</sup> Prevalence ratio associated with a 1-year increase in age.

<sup>§</sup> Production occupations include assemblers and fabricators; plant and system operators; machinists and machine operators; and food processing, metal, plastic, printing, textile, apparel, furnishing, and wood workers.

#### What is already known on this topic?

Military service entails hazardous exposure to high-intensity noise. Hearing impairments are the most common types of service-connected disability for which veterans are being compensated by the Department of Veterans Affairs.

#### What is added by this report?

The prevalence of severe hearing impairment (SHI) among veterans is significantly greater than among nonveterans. After adjusting for age and current occupation, veterans are 30% more likely to have SHI than nonveterans, and veterans who served after September 2001 are four times more likely than nonveterans to have SHI.

#### What are the implications for public health?

Improvements in military hearing conservation programs and increased emphasis on hearing loss surveillance in military and veterans' health systems will be needed to reduce the prevalence of disability caused by hearing impairments among veterans. civilian, industrial HCPs (5). A more recent report from the Government Accountability Office (GAO) also concluded that improvements in military HCPs would lead to improved outcomes (2). For its part, DoD has acknowledged the increase in sequelae from auditory injuries among service members and the need for improvements to military HCPs, and has concurred with the GAO's recommendations (2).

Beyond the effect of SHI on the well-being of individual veterans, higher rates of SHI are costly to the nation because of increased use of medical services and disability payments. According to the Department of Veterans Affairs (VA), hearing impairments have been the most common type of service-connected disability since 2005, and the number of veterans being awarded compensation for hearing impairment has continued to grow each year. In fiscal year 2009, the VA paid approximately \$1.1 billion to compensate 1.2 million veterans who filed claims for service-connected hearing impairments (6,7).

The findings in this report are subject to at least six limitations. First, ascertainment of SHI was based on self or proxy report by the survey household respondent and was not validated by audiometric testing. Although self report has been found to have acceptable sensitivity and specificity compared with audiometric measurement of hearing loss in past studies (8), proxy report has not been similarly validated. This could have resulted in some misclassification errors. Second, although physical requirements for military service ensured that SHI

was not present in the exposed group before entering military service, the specific cause of subsequent hearing impairment was not determined. Third, these analyses assume equal incidence of age-related hearing loss and other hearing loss unrelated to noise among veterans and nonveterans. This assumption most likely resulted in underestimation of prevalence ratios. Persons with congenital deafness and hearing loss resulting from childhood infections or other nonservice-related causes were not excluded from the reference group. Fourth, although attempts were made to adjust for current occupation and demographic characteristics, data on past occupations and on recreational and other nonoccupational noise exposures (e.g., hunting or listening to loud music) were not available. To the extent such factors were differentially distributed between veterans and nonveterans, adjustments might have been insufficient to control for all potential confounding factors. Fifth, because data on length of service were unavailable,

adjustments for duration of exposure were not possible. Finally, the cross-sectional nature of these analyses precludes making direct causal inferences.

Noise-induced hearing loss is preventable. The observed association of SHI with military service, and particularly with service in the United States or overseas after September 2001, underscores the need for improved HCPs in the various service branches and the importance of hearing loss surveillance in military and VA health systems. The study results also suggest a need for further research to identify possible causes for the increased prevalence of SHI among veterans with service after September 2001. Increased exposure to combat and its attendant uncontrolled noise hazards is a potential hypothesis, but data on specific exposures during military service were unavailable in the CPS-ASEC. In 2008, serious auditory injuries sustained by service members in Operations Enduring Freedom and Iraqi Freedom led Congress to mandate that DoD create a Hearing Center of Excellence to improve hearing loss prevention and treatment and to establish an electronic registry to track and share information with the VA on military personnel with hearing loss.\*\* DoD is finishing plans for the center and the registry (2). GAO also has made specific recommendations to DoD for improvement of military HCPs (2).

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<sup>\*\*</sup> Duncan Hunter National Defense Authorization Act for Fiscal Year 2009, Pub. L. No. 110-417, Sect. 721, 122 Stat. 4506 (2008).

# Announcement

## Epidemic Intelligence Service Application Deadline — September 1, 2011

Applications are now being accepted for CDC's July 2012– June 2014 Epidemic Intelligence Service (EIS) program. EIS is a 2-year, postgraduate program of service and on-the-job training for health professionals interested in the practice of epidemiology. Each year, EIS provides approximately 80 persons from around the world opportunities to gain hands-on experience in epidemiology at CDC or state or local health departments. EIS officers, often called CDC's "disease detectives," have gone on to assume leadership positions at CDC and other public health agencies. The EIS experience also is useful for health professionals who would like to gain a population-based perspective on public health practice.

Persons with a strong interest in applied epidemiology who meet at least one of the following qualifications may apply to EIS: 1) physicians with  $\geq$ 1 year of clinical training; 2) persons with a doctoral degree in epidemiology, biostatistics, social or behavioral sciences, natural sciences, or nutrition sciences; 3) dentists, physician assistants, or nurses with a master of public health (MPH) or equivalent degree; 4) veterinarians with an MPH or equivalent degree or relevant public health experience.

The deadline for submitting applications for the July 2012– June 2014 EIS program is September 1, 2011. Information regarding the new EIS online application and program details is available at http://www.cdc.gov/eis/applynow.html; by telephone (404-498-6110); or via e-mail (eis@cdc.gov).

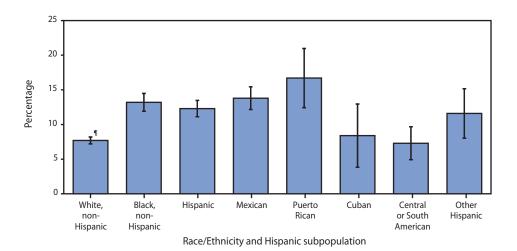
## Errata

### Vol 60, No. 27

In the report, "Illnesses associated with exposure to methyl bromide-fumigated produce—California, 2010," errors occurred on pages 923 and 924. On page 923, in the second full paragraph of the second column, the fifth sentence should read as follows: "Assuming first-order elimination kinetics and a 12-day half-life for inorganic bromide, his serum bromide was estimated to have been **5.87** mg/dL on March 13, his last day working in cold storage." On page 924, first full paragraph of the 1st column, the fourth sentence should read as follows: "After learning that patient A had similar symptoms, a serum bromide test was obtained on March 20, 2010, that showed a bromide level of 1.5 mg/dL, which was estimated to have been a level of **8.5** mg/dL on patient B's last work day (February 18)."

#### FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

# Percentage of Adults Aged ≥18 Years Who Ever Received a Diagnosis of Diabetes,\* by Race/Ethnicity and Hispanic Subpopulation<sup>†</sup> — National Health Interview Survey, United States, 2009<sup>§</sup>



- \* Respondents were asked if they had ever been told by a doctor or other health professional that they had diabetes or sugar diabetes (female respondents were instructed to exclude pregnancy-related diabetes). Responses from persons who said they had "borderline" diabetes were treated as unknown with respect to diabetes. Unknowns were not included in the denominators when calculating percentages.
- <sup>†</sup> Persons of Hispanic origin might be of any race or combination of races.
- <sup>§</sup> Estimates are based on household interviews of a sample of the U.S. civilian, noninstitutionalized population. Estimates are age adjusted using the projected 2000 U.S. standard population as the standard population and using four age groups: 18–44 years, 45–64 years, 65–74 years, and ≥75 years.
- <sup>¶</sup> 95% confidence interval.

During 2009, non-Hispanic black adults (13.2%) were almost twice as likely as non-Hispanic white adults (7.7%) to have been told by a doctor or other health professional that they had diabetes. The prevalence of diagnosed diabetes also was higher among Hispanic adults (12.3%) than among non-Hispanic white adults. Among Hispanic subpopulations, Mexican adults (13.8%) and Puerto Rican adults (16.7%) were more likely to have been told by a doctor or other health professional that they had diabetes compared with Central or South American adults (7.3%).

Source: National Health Interview Survey, 2009 data. Available at http://www.cdc.gov/nchs/nhis.htm.

# Notifiable Diseases and Mortality Tables

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending July 16, 2011 (28th week)\*

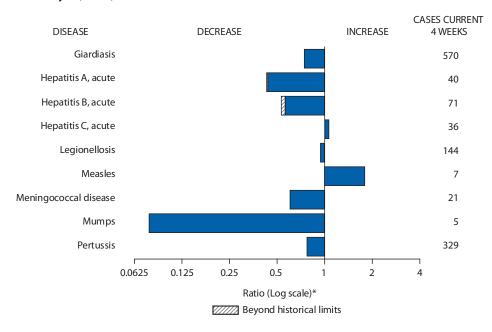
	5-year Total cases reported for previous years					years	<b>6</b>		
Disease	Current week	Cum 2011	weekly average <sup>†</sup>	2010	2009	2008	2007	2006	States reporting cases during current week (No.)
Anthrax				_	1		1	1	<u> </u>
Arboviral diseases <sup>§</sup> , <sup>¶</sup> :									
California serogroup virus disease	_	2	3	75	55	62	55	67	
Eastern equine encephalitis virus disease	_		0	10	4	4	4	8	
Powassan virus disease		2	0	8	- 6	2	7	1	
St. Louis encephalitis virus disease	_		0	10	12	13	9	10	
Western equine encephalitis virus disease	_	_	_		12				
Babesiosis	21	95	3	NN	NN	NN	 NN	NN	PI (2) NIV (16) PA (2)
Botulism, total	21	95 45	3	112	118	145	144	165	RI (2), NY (16), PA (3)
foodborne	1	45	0	7	10	145	32	20	
infant	1	34	2	80	83	109	52 85	20 97	TX (1)
									1 (1)
other (wound and unspecified)	-	6 27	0	25	25	19	27	48	
Brucellosis	2	37	2	115	115	80	131	121	CA (2)
Chancroid	_	12	1	24	28	25	23	33	
Cholera	_	24	0	13	10	5	7	9 127	
Cyclosporiasis <sup>§</sup>	4	67	6	179	141	139	93	137	NY (1), FL (2), TX (1)
Diphtheria	_	_	_	_	_	_	_	_	
Haemophilus influenzae,** invasive disease (age <5 yrs):			_						
serotype b	_	4	0	23	35	30	22	29	
nonserotype b	_	60	4	200	236	244	199	175	
unknown serotype	5	145	3	223	178	163	180	179	OH (2), MD (1), FL (1), HI (1)
lansen disease <sup>§</sup>	1	23	2	98	103	80	101	66	FL (1)
lantavirus pulmonary syndrome <sup>§</sup>	—	10	1	20	20	18	32	40	
Hemolytic uremic syndrome, postdiarrheal <sup>9</sup>	2	55	7	266	242	330	292	288	FL (1), TN (1)
nfluenza-associated pediatric mortality <sup>\$</sup> , <sup>††</sup>	1	110	1	61	358	90	77	43	VA (1)
isteriosis	2	231	20	821	851	759	808	884	NY (1), KY (1)
Measles <sup>§§</sup>	2	136	1	63	71	140	43	55	NY (1), PA (1)
Meningococcal disease, invasive <sup>¶¶</sup> :									
A, C, Y, and W-135	1	110	5	280	301	330	325	318	NY (1)
serogroup B	—	54	3	135	174	188	167	193	
other serogroup	—	5	0	12	23	38	35	32	
unknown serogroup	7	256	9	406	482	616	550	651	NY (2), MD (1), FL (3), CA (1)
Novel influenza A virus infections***	—	1	0	4	43,774	2	4	NN	
Plague	—	1	0	2	8	3	7	17	
Poliomyelitis, paralytic	—	—	_	_	1	_	—	—	
Polio virus Infection, nonparalytic <sup>8</sup>	—	—	_	_	—	_	—	NN	
sittacosis	_	1	0	4	9	8	12	21	
Q fever, total <sup>§</sup>	_	35	3	131	113	120	171	169	
acute	—	23	2	106	93	106	—	_	
chronic	_	12	0	25	20	14	_	_	
Rabies, human	_	1	0	2	4	2	1	3	
Rubella <sup>†††</sup>	_	3	0	5	3	16	12	11	
Rubella, congenital syndrome	_	_	_	_	2	_	_	1	
SARS-CoV <sup>§</sup>	_	_	_	_	_	_	_	_	
smallpox <sup>§</sup>	_	_	_	_	_	_	_	_	
Streptococcal toxic-shock syndrome <sup>§</sup>	3	74	2	148	161	157	132	125	NY (3)
yphilis, congenital (age <1 yr) <sup>§§§</sup>	_	75	8	377	423	431	430	349	
Tetanus	_	4	0	10	18	19	28	41	
oxic-shock syndrome (staphylococcal) <sup>§</sup>	_	42	2	82	74	71	92	101	
richinellosis	_	7	0	7	13	39	5	15	
Jaremia	_	43	5	124	93	123	137	95	
yphoid fever	1	185	8	468	397	449	434	353	FL (1)
/ancomycin-intermediate <i>Staphylococcus aureus</i> <sup>§</sup>	_	27	1	91	78	63	37	6	. /
Vancomycin-resistant Staphylococcus aureus	_		_	2	1		2	1	
/ibriosis (noncholera <i>Vibrio</i> species infections) <sup>§</sup>	9	222	16	848	789	588	549	NN	GA (1), FL (6), TX (1), CA (1)
/iral hemorrhagic fever <sup>111</sup>	_			1	NN	NN	NN	NN	
/ellow fever					1.1.1		( NI N		

See Table 1 footnotes on next page.

# TABLE I. (*Continued*) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending July 16, 2011 (28th week)\*

- ---: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts.
- \* Case counts for reporting years 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf.
- † Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years. Additional information is available at http://www.cdc.gov/osels/ph\_surveillance/nndss/phs/files/5yearweeklyaverage.pdf.
- <sup>5</sup> Not reportable in all states. Data from states where the condition is not reportable are excluded from this table except starting in 2007 for the arboviral diseases, STD data, TB data, and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/osels/ph\_surveillance/nndss/phs/infdis.htm.
- <sup>¶</sup> Includes both neuroinvasive and nonneuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for West Nile virus are available in Table II.
- \*\* Data for H. influenzae (all ages, all serotypes) are available in Table II.
- <sup>++</sup> Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. Since October 3, 2010, 114 influenza-associated pediatric deaths occurring during the 2010-11 influenza season have been reported.
- <sup>§§</sup> The two measles cases reported for the current week were imported.
- <sup>¶¶</sup> Data for meningococcal disease (all serogroups) are available in Table II.
- \*\*\* CDC discontinued reporting of individual confirmed and probable cases of 2009 pandemic influenza A (H1N1) virus infections on July 24, 2009. During 2009, four cases of human infection with novel influenza A viruses, different from the 2009 pandemic influenza A (H1N1) strain, were reported to CDC. The four cases of novel influenza A virus infection reported to CDC during 2010 and the one case reported in 2011 were identified as swine influenza A (H3N2) virus and are unrelated to the 2009 pandemic influenza A (H1N1) virus. Total case counts for 2009 were provided by the Influenza Division, National Center for Immunization and Respiratory Diseases (NCIRD).
- <sup>†††</sup> No rubella cases were reported for the current week.
- <sup>\$55</sup> Updated weekly from reports to the Division of STD Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention.
- 1911 There was one case of viral hemorrhagic fever reported during week 12 of 2010. The one case report was confirmed as lassa fever. See Table II for dengue hemorrhagic fever.

# FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals July 16, 2011, with historical data



\* Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

Notifiable Disease Data Team and 122 Cities Mortality Data Team Jennifer Ward, MS Deborah A. Adams Rosaline Dhara Willie J. Anderson Pearl C. Sharp Lenee Blanton Michael S. Wodajo

		Chlamydia	trachomat	is infection			Cocci	dioidomy	cosis			Cryp	otosporidio	osis	
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
United States	10,304	25,725	31,142	669,718	686,384	83	86	567	8,794	NN	88	95	374	2,275	3,522
New England	794	847	2,043	22,909	21,168	_	0	1	1	NN	_	4	29	96	267
Connecticut		228	1,557	4,918	5,199	—	0	0	—	NN	—	0	24	24	77
Maine <sup>†</sup> Massachusetts	65 571	57 403	100 860	1,659	1,332 10,863	_	0	0	_	NN NN	_	0 2	7 9	3 32	32 77
New Hampshire	48	53	81	11,815 1,528	1,216	_	0	1	1	NN	_	1	3	17	36
Rhode Island <sup>†</sup>	75	70	154	2,204	1,883	_	0	0	_	NN	_	0	2	1	11
Vermont <sup>†</sup>	35	26	84	785	675	_	0	0	_	NN	_	1	5	19	34
Mid. Atlantic	1,587	3,321	5,069	84,199	89,591	_	0	1	3	NN	20	14	38	368	356
New Jersey New York (Upstate)	58 683	479 712	684 2,099	11,522	14,048	_	0	0	_	NN NN	4	1 4	4 13	18 76	14 69
New York City	200	1,145	2,099	18,966 26,724	17,195 33,485	_	0	0	_	NN	4	4	6	32	38
Pennsylvania	646	953	1,231	26,987	24,863	_	Ő	1	3	NN	16	8	26	242	235
E.N. Central	1,122	4,001	7,039	100,850	107,907	_	0	3	26	NN	13	23	137	520	935
Illinois	15	1,110	1,320	23,853	31,968	_	0	0	_	NN	_	1	21	5	106
Indiana	206	455	3,376	13,660	9,985	—	0	0	_	NN	—	4	15	44	142
Michigan Ohio	468 306	946 1,000	1,397 1,134	25,143 26,506	26,617 27,212	_	0	3 3	16 10	NN NN	13	5 8	18 24	117 206	165 193
Wisconsin	127	472	559	11,688	12,125	_	0	0		NN		8	65	148	329
W.N. Central	121	1,437	1,643	35,618	38,414	_	0	1	2	NN	15	10	99	192	598
lowa	17	208	240	5,424	5,683	_	0	0	_	NN	_	2	25	27	132
Kansas	11	190	287	5,216	5,227	_	0	0	_	NN	—	0	6	3	51
Minnesota	U	289	361	5,596	8,224	U	0	0	_	NN	U	1	22		174
Missouri Nebraska <sup>†</sup>	74	524 102	766 218	13,680 3,275	13,661 2,761	_	0 0	0 1	2	NN NN	6 6	3 3	29 26	66 69	108 64
North Dakota		39	90	664	1,201	_	0	Ó		NN	3	0	20	16	12
South Dakota	19	65	93	1,763	1,657	_	0	0	_	NN	_	0	4	11	57
S. Atlantic	3,475	5,111	6,539	144,822	139,084	_	0	2	3	NN	14	18	53	422	516
Delaware	69	83	220	2,320	2,287	_	0	0	_	NN	1	0	1	4	4
District of Columbia		105	180	2,542	2,847	_	0	0	_	NN		0	1	4	2
Florida Georgia	657 611	1,490 930	1,706 2,384	40,265 27,505	39,996 23,483	_	0	0	_	NN NN	5 5	6 5	19 11	107 144	192 154
Maryland <sup>†</sup>	421	460	1,125	11,450	12,728	_	0	2	3	NN	_	1	6	33	20
North Carolina	980	756	1,477	25,109	25,437	—	0	0	—	NN	—	0	17	36	47
South Carolina <sup>†</sup>		523	946	14,958	14,034	—	0	0	_	NN	_	2	8	51	34
Virginia <sup>†</sup> West Virginia	682 55	662 78	970 121	18,475 2,198	16,346 1,926	_	0 0	0 0	_	NN NN	3	1 0	5 5	31 12	57 6
E.S. Central	994	1,826	3,314	49,497	49,005	_	0	0	_	NN	3	4	19	83	106
Alabama <sup>†</sup>		542	1,566	14,340	13,651	_	0	0	_	NN	_	1	13	9	40
Kentucky	207	268	2,352	8,568	8,550	_	0	0	_	NN	1	1	6	24	35
Mississippi	568	392	614	10,832	11,922	_	0	0	_	NN	_	0	2	16	7
Tennessee <sup>†</sup>	219	586	795	15,757	14,882	—	0	0	_	NN	2	1	5	34	24
W.S. Central	_	3,294	4,723	85,240	95,928	_	0	1	1	NN	5	6	33	127	173
Arkansas <sup>†</sup> Louisiana	_	311 343	440 1,052	8,494 6,949	8,267 15,110	_	0 0	0 1	1	NN NN	1	0	3 9	8 23	16 20
Oklahoma	_	226	1,371	5,319	7,048	_	0	0		NN	_	0	8	25	41
Texas <sup>†</sup>	_	2,369	3,107	64,478	65,503	_	0	0	_	NN	4	4	24	96	96
Mountain	594	1,680	2,155	43,715	44,480	48	60	432	6,931	NN	12	10	30	244	264
Arizona	111	514	697	12,531	14,521	48	58	427	6,841	NN	_	1	3	15	16
Colorado Idabo <sup>†</sup>	210	408	848	12,584	10,378	_	0	0	_	NN	7	2	10 7	73	66 47
ldaho† Montana†	45	61 62	199 83	1,403 1,761	2,051 1,606	_	0 0	0 1	2	NN NN	5	1	5	36 32	47 30
Nevada <sup>†</sup>	178	197	380	5,763	5,410	_	1	4	48	NN	_	0	7	3	8
New Mexico <sup>†</sup>	48	194	1,183	5,326	5,887	—	0	4	31	NN	—	3	12	52	49
Utah Wuoming <sup>+</sup>	-	131	175	3,380	3,524	_	0	2	6	NN	_	1	5	23	34
Wyoming <sup>†</sup>	2	38	90 6 5 5 0	967	1,103		0	2	3	NN		0	3	10 222	14
Pacific Alaska	1,617	3,758 115	6,559 157	102,868 2,909	100,807 3,312	35	20 0	142 0	1,827	NN NN	6	11 0	27 3	223 7	307 2
California	1,388	2,884	5,763	78,682	76,658	35	20	142	1,826	NN	6	6	5 19	/ 144	ے 174
Hawaii	_	109	138	2,521	3,332		0	0		NN	_	0	0	—	1
Oregon	229	255	524	7,329	6,208	_	0	1	1	NN	_	3	13	68	91
Washington	_	430	522	11,427	11,297	_	0	0	_	NN	_	0	9	4	39
Territories							_						-		
American Samoa	_	0	0	_	_	_	0	0	_	NN	N	0	0	N	N
C.N.M.I. Guam	_	4	 81	189	545	_	0	0	_	NN NN	_	0	0	_	_
Puerto Rico	82	105	349	3,351	3,367	_	0	0	_	NN	Ν	0	0	Ν	Ν
U.S. Virgin Islands		14	27	328	315	_	0	0	_	NN	_	0	0	_	_

C.N.M.I.: Commonwealth of Northern Mariana Islands.

C.N.M.J.: CommonWealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.

<sup>†</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

	Dengue Virus Infection <sup>†</sup>												
		D	engue Fever <sup>§</sup>				Dengue H	lemorrhagic F	ever <sup>¶</sup>				
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum			
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010			
United States		3	55	44	248		0	2	_	4			
New England	_	0	3	1	4	_	0	0	_	_			
Connecticut	—	0	0	_	—	_	0	0	—	_			
Maine**	_	0	2	_	3	—	0	0	_	_			
Massachusetts	—	0	0	—	—	—	0	0	—	—			
New Hampshire	_	0	0	—	_	-	0	0	_	_			
Rhode Island** Vermont**	—	0	1	1	1	—	0	0	_	—			
	_	0	1	1	1	_	0	0		_			
Aid. Atlantic	—	1	25	19	71	—	0	1	_	2			
New Jersey New York (Upstate)	_	0 0	5 5	_	8 11	_	0 0	0 1	_	1			
New York City		1	17	10	43	_	0	1	_	1			
Pennsylvania	_	0	3	9	9	_	0	0	_	_			
.N. Central		0	7	4	18		0	1	_				
Illinois	_	0	3	4	4	_	0	0	_	_			
Indiana	_	õ	2	1	4	_	0	õ	_	_			
Michigan	_	0	2	_	3	_	0	0	_	_			
Ohio	_	0	2	_	5	_	0	0	_	_			
Wisconsin	—	0	2	2	2	—	0	1	_	_			
V.N. Central	_	0	6	_	16	_	0	1	_	_			
lowa	—	0	1	_	1	_	0	0	_	_			
Kansas	_	0	1	_	2	—	0	0	_	_			
Minnesota	U	0	1	_	9	U	0	0	_	_			
Missouri	—	0	1	—	3	—	0	0	—	—			
Nebraska**	—	0	6	_	1	_	0	0	_	—			
North Dakota South Dakota	_	0 0	0 0	_	1	_	0	0 1	_	_			
	—				_	_				_			
. Atlantic	—	1	19	11	96	—	0	1	_	1			
Delaware District of Columbia	_	0 0	0 0	_	_	_	0	0 0	_	_			
Florida	_	1	13	10	78	_	0	1	_	1			
Georgia	_	0	2		6	_	0	0	_	_			
Maryland**	_	õ	0	_	_	_	0	õ	_	_			
North Carolina	_	0	2	1	_	_	0	0	_	_			
South Carolina**	_	0	3	_	5	_	0	0	_	_			
Virginia**	—	0	3	_	5	—	0	0	—	_			
West Virginia	_	0	1	_	2	_	0	0	_	_			
.S. Central	—	0	2	_	1	_	0	0	_	_			
Alabama**	—	0	2	—	—	—	0	0	—	—			
Kentucky	_	0	1	—	_	-	0	0	_	_			
Mississippi Tennessee**	—	0	0	_	1	—	0	0	_	_			
	—	0	0	—	1	_	0	0	—	_			
V.S. Central	—	0	4	_	13	—	0	0	_	1			
Arkansas** Louisiana	_	0 0	0 2	_	1	_	0	0 0	_	1			
Oklahoma	_	0	1	_	1	_	0	0	_	_			
Texas**	_	õ	2	_	11	_	0	õ	_	_			
Nountain	_	0	2	3	7	_	0	0	_	_			
Arizona	_	Ő	2	2	2	_	0	Ő	_	_			
Colorado	_	0	0	_	_	_	0	0	_	_			
ldaho**	_	0	1	_	1	_	0	0	_	_			
Montana**	—	0	1	_	2	_	0	0	_	_			
Nevada**	_	0	1	_	1	—	0	0	_	_			
New Mexico**	_	0	0	_	1	_	0	0	_	_			
Utah	_	0	1	1	_	-	0	0	_	_			
Wyoming**	—	0	0	_	_	_	0	0	_	—			
acific	—	0	7	б	22	—	0	0	—	—			
Alaska	—	0	0	-	1	_	0	0	_	_			
California	—	0 0	5 0	2	17	—	0	0 0	_	—			
Hawaii Oregon	_	0	0	_	_	_	0	0	_	_			
Washington	_	0	2	4	4	_	0	0	_	_			
-		0	2	T	7		v	0	_				
erritories		~	~				~	0					
American Samoa C.N.M.I.		0	0	_		_	0	0	_	_			
Guam	_	0	0	_	_	_	0	0	_	_			
Puerto Rico	_	32	550	299	4,308	_	0	20	1	96			
Puerto Rico													

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly. \* Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). \* Dors in Fuer includes cases that meet criteria for Dongue Ever with bemorrhage other clinical and unknown case classifications.

§ Dengue Fever includes cases that meet criteria for Dengue Fever with hemorrhage, other clinical and unknown case classifications.

<sup>¶</sup> DHF includes cases that meet criteria for dengue shock syndrome (DSS), a more severe form of DHF.

\*\* Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

							Ehrlichic	sis/Anapla	smosis†						
		Ehrli	ichia chaffe	ensis			Anaplasn	na phagocy	tophilum			Und	determined	d	
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
United States	21	6	109	232	326	18	15	89	161	1,094	1	1	13	40	52
New England	_	0	2	3	3	5	1	8	27	56	_	0	1	1	2
Connecticut Maine <sup>§</sup>	_	0 0	0 1	1	2	_	0	6 2	7	22 12	_	0	0	_	_
Massachusetts	_	0	0	_	—	_	0	0	_	_	-	0	0	_	
New Hampshire Rhode Island <sup>§</sup>	_	0 0	1 1	1 1	1	4	0 0	3 6	7 11	8 13	_	0 0	1 0	1	2
Vermont§	—	0	0	—	_	1	0	1	2	1	_	0	0	_	_
Mid. Atlantic New Jersev	5	1 0	7 2	23	51 37	13	4 0	20 3	87	112 47	_	0	2 0	3	7 1
New York (Upstate)	5	0	7	20	10	13	3	18	73	59	_	0	2	3	4
New York City Pennsylvania	_	0	1	3	3 1	_	0	5 1	14	6	_	0	0 1	_	2
E.N. Central	_	0	4	10	25	_	1	24	7	347	_	0	4	16	28
Illinois	—	0	2	6	10	—	0	2	2	2	—	0	1	2	3
Indiana Michigan	_	0	0 1	1	_	_	0	0 1	_	2	_	0	3 1	11 1	11
Ohio	—	0	3	3	2	—	0	1	2	—	—	0	1	1	
Wisconsin	4	0 1	1 13		13 73	_	1 2	23 45	3 14	343 534	_	0	3 11	1 13	14 5
W.N. Central lowa	4 N	0	0	N N	N N	N	0	43	N N	554 N	N	0	0	N	N
Kansas		0	1	2	5		0	0		1		0	0	_	_
Minnesota Missouri	4	0 0	12 13	73	68	U	0	44 3	1 13	526 7	U	0	11 7	— 11	5
Nebraska <sup>§</sup>		0	1	_	—		0	0	_	_		0	1	1	_
North Dakota South Dakota	N	0	0	N	N	N	0	0 0	N	N	N	0	0 1	N 1	N
S. Atlantic	4	3	18	84	116	_	1	4	19	35	_	0	1	1	1
Delaware District of Columbia	N	0 0	2 0	12 N	11 N	N	0 0	1 0	1 N	4 N	N	0	0 0	N	N
Florida	1	0	3	11	6		0	1	3	1		0	0		
Georgia Maryland <sup>§</sup>	2	0	3 2	8 12	15 13	_	0 0	1 1	5 1	1 12	_	0	1 1	1	1
North Carolina		0	13	15	35	_	0	4	7	11	_	0	0	_	_
South Carolina <sup>§</sup> Virginia <sup>§</sup>	1	0 1	1 8	 26	3 32	_	0 0	1 1	2	6	_	0	0 1	_	_
West Virginia	_	0	1		1	_	0	0		_	_	0	0	—	_
E.S. Central	3	0	11	31	44	_	0	2	7	10	1	0	1	3	7
Alabama <sup>§</sup> Kentucky	_	0 0	3 2	7	6 8	_	0 0	2 0	3	4	N	0	0 0	N	N 1
Mississippi		0	1	_	1	—	0	1		1		0	0		1
Tennessee <sup>§</sup>	3 5	0 0	7 87	24 6	29 13	_	0 0	2 9	4	5	1	0	1 1	3	5
W.S. Central Arkansas <sup>§</sup>	5	0	5	6		_	0	2	_	_	_	0	0	_	_
Louisiana Oklahoma	_	0 0	0 82	_	1 10	_	0 0	0 7	_	_	_	0	0 0	—	—
Texas <sup>§</sup>	_	0	02 1	_	2	_	0	1	_	_	_	0	1	_	_
Mountain	—	0	0	—	—	—	0	0	—	—	—	0	1	2	—
Arizona Colorado	N	0 0	0 0	N	N	N	0 0	0 0	N	N	N	0 0	1 0	2 N	N
ldaho <sup>§</sup>	N	0	0	N	N	Ν	0	0	N	Ν	N	0	0	Ν	N
Montana <sup>§</sup> Nevada <sup>§</sup>	N N	0	0	N N	N N	N N	0	0 0	N N	N N	N N	0	0	N N	N N
New Mexico <sup>§</sup>	N	0	0	N	N	N	0	0	N	N	N	0	0	N	N
Utah Wyoming <sup>§</sup>	_	0 0	0 0	_	_	_	0	0 0	_	_	_	0	0	_	_
Pacific	_	0	1	_	1	_	0	0	_	_	_	0	1	1	2
Alaska	Ν	0	0	Ν	Ν	Ν	0	0	Ν	Ν	Ν	0	0	Ν	Ν
California Hawaii	N	0 0	1 0	N	1 N	N	0 0	0 0	N	N	N	0 0	1 0	1 N	2 N
Oregon	_	0	0	_	—	_	0	0	—	_	—	0	0	_	—
Washington		0	0		_	_	0	0	_			0	0	_	
Territories American Samoa	N	0	0	Ν	N	Ν	0	0	Ν	Ν	N	0	0	Ν	Ν
C.N.M.I.	N			N	N	N			—	N	N	_	0	_	—
Guam Puerto Rico	N	0	0	N	N	N N	0	0	N N	N N	N	0 0	0	N N	N N
U.S. Virgin Islands	—	0	0		_	—	0	0	_	_	_	0	0	—	_

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.

<sup>+</sup> Cumulative total E. ewingii cases reported for year 2010 = 10, and 6 cases reported for 2011. <sup>§</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

			Giardiasis	5				Gonorrhe	a		Ha	<i>iemophilus i</i> All ages	<i>nfluenzae</i> , , all seroty		t
	Current	Previous	52 weeks	Cum	Cum	Current	Previous 5	52 weeks	Cum	Cum	Current	Previous 5	52 weeks	Cum	Cum
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
United States	161	291	549	6,757	9,496	2,337	5,805	7,484	148,956	159,638	31	63	141	1,823	1,768
New England	1	24	55	477	820	82	101	206	2,702	2,863	1	4 1	12	105	101
Connecticut Maine <sup>§</sup>	1	5 3	12 11	103 60	148 93	6	43 3	150 7	1,135 95	1,334 104	_	0	6 2	33 14	21 8
Massachusetts	_	11	25	176	351	55	48	80	1,208	1,185	—	1	6	37	53
New Hampshire Rhode Island <sup>§</sup>	—	2	7 7	39 29	99 38	5 16	3 5	7 15	71 167	76 133	1	0	2 2	9 8	7 8
Vermont <sup>§</sup>	_	3	10	70	91		0	8	26	31	_	0	3	4	4
Mid. Atlantic	33	60	106	1,378	1,580	291	716	1,121	18,207	18,062	8	12	32	399	335
New Jersey	_	8	22	128	220	23	116	172	2,925	2,992	_	2	7	65	57
New York (Upstate) New York City	20 3	21 17	72 30	463 433	533 451	88 46	113 238	271 497	2,910 5,643	2,738 6,253	3 3	3 2	18 6	103 80	89 55
Pennsylvania	10	16	27	354	376	134	263	364	6,729	6,079	2	4	11	151	134
E.N. Central	25	50	99	1,077	1,639	384	1,048	2,091	26,186	29,166	6	11	19	329	287
Illinois	—	9	31	185	368	6	285	369	5,859	8,009	—	3	9	95	97
Indiana Michigan	1	6 10	14 25	119 220	203 348	52 173	113 244	1,018 490	3,292 6,369	2,804 7,308	_	2	7 4	57 35	60 21
Ohio	23	16	29	393	428	115	321	383	8,286	8,550	6	3	7	100	70
Wisconsin	1	8	35	160	292	38	99	130	2,380	2,495	—	1	5	42	39
W.N. Central	18	26	73	485	983	28	297	363	7,296	7,546	—	4	10	88	123
lowa Kansas	3	5 2	12 10	122 40	145 119	9 1	38 39	57 57	975 985	882 1,112	_	0	0 2	12	1 13
Minnesota	U	5	33		361	U	38	62	744	1,133	U	0	5		45
Missouri	8	8	26	178	189		144	181	3,614	3,506	—	1	5	45	45
Nebraska <sup>§</sup> North Dakota	2 2	4 0	9 12	91 21	108 11	16	23 3	49 9	630 61	635 106	_	0 0	3 6	21 9	11 8
South Dakota	3	1	5	33	50	2	12	20	287	172	_	Ő	1	1	_
S. Atlantic	33	60	127	1,366	1,914	988	1,471	1,862	38,686	41,344	8	15	30	442	451
Delaware	—	1	5	17	15	9	17	48	455	516	—	0	2	3	5
District of Columbia Florida	 16	1 25	5 75	16 577	31 1,020	202	37 382	70 486	920 10,236	1,116 10,687	3	0 5	0 12	148	112
Georgia	10	14	51	430	376	190	315	874	8,398	8,098	1	3	7	87	109
Maryland <sup>§</sup>	5 N	4 0	10	120	163	83	123	246	2,807	3,629	3	1	4 9	45	34 73
North Carolina South Carolina <sup>§</sup>		2	0 9	N 53	N 66	351	257 155	468 257	8,228 4,228	8,486 4,270	1	2 1	5	49 38	56
Virginia <sup>§</sup>	2	8	32	131	227	145	116	185	2,989	4,297	—	2	8	63	50
West Virginia	_	0	8	22	16	8	14	26	425	245	_	0	9	9	12
E.S. Central Alabama <sup>§</sup>	1 1	4 4	11 11	85 85	87 87	283	495 160	1,007 414	13,147 4,308	13,206 3,999	2	3 1	11 4	122 38	108 19
Kentucky	N	- 0	0	N	N	65	71	712	2,305	2,178	_	0	4	17	20
Mississippi	N	0	0	N	Ν	176	116	197	2,840	3,288		0	3	11	9
Tennessee <sup>§</sup>	N	0 5	0	N	N	42	140	194	3,694	3,741	2	1	5	56	60
W.S. Central Arkansas <sup>§</sup>	4 3	5 2	17 9	99 54	191 55	_	863 101	1,664 138	21,514 2,571	25,770 2,448	_	2 0	26 3	73 19	86 14
Louisiana	1	3	12	45	80	_	94	509	1,858	4,331	_	0	4	27	19
Oklahoma		0	5		56	_	66	332	1,562	2,082	—	1	19	26	47
Texas <sup>§</sup>	N 13	0 27	0 58	N 594	N 880	 96	596 185	867 253	15,523 4,972	16,909 5,056	3	0 5	4 12	1 162	6 194
Mountain Arizona	15	3	30 8	63	880 76	32	64	255 95	4,972	5,050 1,737		2	6	62	73
Colorado	10	12	27	285	371	15	46	84	1,089	1,418	1	1	5	40	56
Idaho <sup>§</sup>		4	9	69	110	_	2	14	48	55	2	0	2	11	11
Montana <sup>§</sup> Nevada <sup>§</sup>	1	1 2	6 11	28 35	60 30	44	1 33	5 103	37 1,080	62 972	_	0 0	1 2	2 12	2 5
New Mexico <sup>§</sup>	1	2	5	32	54	5	28	98	833	596	—	1	4	23	22
Utah Wyoming <sup>§</sup>	—	4 0	13 5	68 14	153 26	_	4 0	9 3	121 22	195 21	—	0 0	3 1	11 1	20 5
, ,	33	49	5 129	14 1,196	26 1,402	185	626	3 807	22 16,246	21 16,625	3	3	10	103	5 83
Pacific Alaska		2	7	39	51		20	34	489	732	_	0	2	103	14
California	33	32	68	839	869	176	513	695	13,356	13,551	_	0	6	18	15
Hawaii Oregon	_	0 7	4 20	14 156	31 249	9	13 23	26 40	328 646	373 538	1 2	0	3 6	16 55	13 37
Washington	_	9	57	148	202		59	86	1,427	1,431		0	2	2	4
Territories									· · · · ·						
American Samoa	—	0	0	—	—	_	0	0	—	—	—	0	0	—	—
C.N.M.I. Guam	_	0	1	_	2	_	0	17	6		_	0		_	_
Puerto Rico	_	1	7	13	44	6	6	12	187	154	_	0	0	_	1
U.S. Virgin Islands	_	0	0	_	_	—	2	7	49	73	_	0	0	_	_

C.N.M.L: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.
† Data for H. influenzae (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I.</li>
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

							Hepatitis (	viral, acut	e), by typ	e					
			А					В					с		
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous 5	52 weeks	Cum	Cum
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
United States	10	22	74	534	816	12	57	167	1,168	1,676	10	17	39	488	425
New England Connecticut	2	0 0	6 4	15 5	62 15	_	0 0	5 4	21 7	34 10	1	1 0	4 3	25 15	35 21
Maine <sup>†</sup>	_	0	1	1	5	_	0	2	5	10	_	0	2	5	2
Massachusetts New Hampshire	_	0	5 1	3	35	_	0	3 1	8 1	8 4	N	0 0	1 0	1 N	12 N
Rhode Island <sup>†</sup>	_	0	1	2	7	U	0	0	U	Ŭ	U	0	0	U	U
Vermont <sup>†</sup>	2	0	1	4	_	_	0	0		2	1	0	1	4	
Mid. Atlantic New Jersev	1	4	12 4	101 11	134 40	1	5 1	11 4	135 26	168 48	2	1 0	6 4	40	55 13
New York (Upstate)	_	1	4	25	27	_	1	9	24	26	1	0	4	25	26
New York City Pennsylvania	1	1	6 3	36 29	38 29	1	1	5 4	43 42	50 44	1	0 0	1 2	 15	2 14
E.N. Central	_	3	9	92	95	1	6	34	170	280	_	3	12	100	52
Illinois	—	1	3	16	26	_	2	6	36	71	_	0	1	2	
Indiana Michigan	_	0 1	3 5	10 40	10 33	1	1 2	6 5	18 48	37 74	_	0 1	5 7	37 56	18 25
Ohio	—	1	5	23	17	_	1	30	55	66	—	0	1	4	6
Wisconsin	—	0 1	2 25	3 17	9 27	_	0 2	3 16	13 66	32 65	_	0 0	1 6	1 2	3 7
W.N. Central lowa	_	0	23	2	4	_	2	10	6	10	_	0	0		_
Kansas		0	2	3	8		0	2	7	4		0	1	2	
Minnesota Missouri	U	0 0	22 1	2 5	1 11	U	0 2	15 5	2 42	2 39	U	0 0	6 1	_	3 2
Nebraska <sup>†</sup>	—	0	4	3	3	_	0	3	8	9	_	0	1	_	2
North Dakota South Dakota	_	0 0	3 2	2	_	_	0 0	0 1	1	1	_	0 0	0 0	_	_
S. Atlantic	5	5	14	118	182	6	14	33	321	457	3	4	11	117	91
Delaware District of Columbia	—	0	1 0	1	5 1	_	0 0	1 0	_	18 3	U	0 0	0 0	U	U 2
Florida	1	2	7	40	65	2	4	11	110	158	_	1	5	29	25
Georgia Maryland <sup>†</sup>	1 1	1 0	4 2	28 12	21 13	1 1	2	8 4	45 27	99 36	_	0 0	3 2	16 19	12 14
North Carolina	1	0	4	12	31	1	2	16	67	35	1	1	7	34	24
South Carolina <sup>†</sup> Virginia <sup>†</sup>	1	0	2 4	5 14	19 26	1	1 1	4 7	18 35	31	1 1	0 0	1 2	1 9	8
West Virginia	_	0	4 5	5	20		0	18	19	46 31	_	0	5	9	6 6
E.S. Central	—	0	6	25	22	1	8	14	203	180	2	3	8	91	76
Alabama <sup>†</sup> Kentucky	_	0	2 6	1 5	5 9	1	1 3	4 8	42 60	35 56	_	0 2	1 6	7 38	3 52
Mississippi	_	0	1	3	1	_	1	3	21	19	U	0	0	U	U
Tennessee <sup>†</sup>	1	0	5 15	16	7 74	1	3 8	8 67	80 138	70 265	2 1	1	5 11	46 45	21 40
W.S. Central Arkansas <sup>†</sup>	1	2 0	15	54	/4	1	0 1	4	22	205	_	2	0	45	40
Louisiana	—	0	1	2	5	_	1	4	23	28	—	0	2	5	1
Oklahoma Texas <sup>†</sup>	1	0 2	4 11	1 51	1 68	1	1 4	16 45	25 68	43 157	1	1 0	10 3	21 19	13 25
Mountain	_	2	5	39	96	2	2	7	49	71	_	1	4	34	32
Arizona Colorado	—	0	2 2	9 14	44 23	2	0	3 5	11 12	15 19	U	0	0 3	U 12	U 8
ldaho <sup>†</sup>	_	0	1	5	23 6		0	1	2	4	_	0	2	6	0 7
Montana <sup>†</sup> Nevada <sup>†</sup>	_	0	1 3	2 4	4 7	_	0	0 3	 18	23	_	0 0	1 2	2 7	3
New Mexico <sup>†</sup>	_	0	1	3	3	_	0	2	5	3	_	0	1	4	9
Utah Wyoming <sup>†</sup>	_	0	2 1	2	6 3	_	0	1 1	1	7	_	0 0	2 1	1 2	5
Pacific	1	4	15	73	5 124	_	4	25	65	156	1	1	12	2 34	37
Alaska	_	0	1	2	1	_	0	1	4	1	U	0	1	U	U
California Hawaii	1	2 0	15 2	46 5	95 5	_	2 0	22 1	23 5	104 3	1 U	0 0	4 0	12 U	17 U
Oregon	_	0	2	5	11	_	1	3	20	26	_	0	3	10	9
Washington	_	0	5	15	12	_	1	4	13	22	_	0	5	12	11
Territories American Samoa		0	0				0	0				0	0		_
C.N.M.I.	_	—	_	_	_	_	_	—	_	_	_	—	_	_	_
Guam Puerto Rico	_	0 0	5 2	8 3	4 10	_	0 0	8 3	28 6	48 13	N	0 0	8 0	10 N	40 N
U.S. Virgin Islands	_	0	0			_	0	0	_			0	0		

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.
<sup>†</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, we	eeks ending July 16, 2011, and July 17, 2010 (28th week)*
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Reporting area United States New England Connecticut Maine <sup>†</sup> Massachusetts New Hampshire Rhode Island <sup>†</sup> Vermont <sup>†</sup>	Current week 63 	Med 49 3	52 weeks Max	Cum 2011	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous 5	2 weeks	Cum	Cum
United States New England Connecticut Maine <sup>†</sup> Massachusetts New Hampshire Rhode Island <sup>†</sup>	63 — —	49 3			Cum									Cum	
New England Connecticut Maine <sup>†</sup> Massachusetts New Hampshire Rhode Island <sup>†</sup>		3		2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
Connecticut Maine <sup>†</sup> Massachusetts New Hampshire Rhode Island <sup>†</sup>	—		128	1,168	1,491	697	334	1,575	9,286	16,836	21	26	114	557	746
Maine <sup>†</sup> Massachusetts New Hampshire Rhode Island <sup>†</sup>	—	4	16	47	97	43	74	401	1,386	5,270	1	1	20	20	55
Massachusetts New Hampshire Rhode Island <sup>†</sup>	_	1	6	15	16	_	34	151	745	1,873	—	0	20	1	2
New Hampshire Rhode Island <sup>†</sup>		0	3 10	3 17	4 56	_	10 11	62 173	133 94	229 2,185	_	0 0	1 5	2 9	5 39
	_	0	5	3	5	_	13	43	260	790	_	0	2	2	1
Vermont <sup>†</sup>	—	0	4	5	12	27	1	40	47	41	—	0	4	2	6
rennont	—	0	2	4	4	16	4	28	107	152	1	0	1	4	2
Nid. Atlantic	11	14	53	291	353	576	146	868	6,021	5,690	1	8	22	124	243
New Jersey New York (Upstate)	6	2 5	18 19	24 105	58 104	148 202	43 35	482 168	2,236 1,130	2,302 1,050	_	1	6 6	8 22	62 35
New York City	_	3	17	49	61		1	30	1,130	366	_	4	13	66	112
Pennsylvania	5	5	19	113	130	226	61	307	2,644	1,972	1	1	4	28	34
.N. Central	31	9	44	273	314	1	21	224	443	2,476	5	3	9	66	79
Illinois		1	12	22	81	—	1	9	37	89	_	1	6	21	31
Indiana Michigan	2	1	5	36 51	27 59	_	0 1	7 14	23 19	56 37		0 0	2 4	5 13	7
Michigan Ohio	2 27	2 4	20 34	163	59 115	1	1	14 9	19 19	37 12	4	1	4 5	13 23	15 21
Wisconsin		0	5	105	32	_	17	201	345	2,282	—	0	2	4	5
W.N. Central	2	2	9	39	61	_	3	171	26	1,383	_	1	45	7	28
lowa	_	0	2	5	5	_	0	5	19	62	_	0	2	3	7
Kansas		0	2	4	6		0	1	3	9		0	2	2	3
Minnesota	U 1	0	8 5	27	18	U	2 0	164	_	1,302	U	0	45 3	_	3 4
Missouri Nebraska†	1	0	1	1	21 5	_	0	1 2	4	2 5	_	0	5 1	2	4 9
North Dakota		0	1	1	2	_	0 0	10		2	_	Ő	1	_	_
South Dakota	_	0	2	1	4	_	0	0	_	1	—	0	1	_	2
S. Atlantic	5	9	22	201	287	76	57	178	1,294	1,833	10	7	41	198	191
Delaware	_	0	1	3	10	6	10	32	336	423	—	0	1	4	2
District of Columbia Florida	4	0 3	3 9	8 76	13 85	7	0 1	5 8	9 44	18 31	3	0 2	1 7	5 52	9 59
Georgia	_	1	4	14	36	_	0	1	5	8		1	7	37	34
Maryland <sup>†</sup>	_	1	6	31	63	19	17	103	430	817	1	1	21	44	31
North Carolina	1	1	6	32	31	—	0	9	23	34	—	0	13	17	18
South Carolina <sup>†</sup> Virginia <sup>†</sup>	_	0	2 9	5 27	7 33	44	0 19	3 76	6 421	21 466	6	0	1 4	1 38	3 35
West Virginia	_	0	2	5	9		0	29	20	15		0	1		
E.S. Central	4	2	10	75	71	_	0	3	19	29	1	1	3	14	14
Alabama <sup>†</sup>	_	0	2	10	7	_	0	2	7	_	_	0	1	3	3
Kentucky	_	0	4	13	13	_	0	1	_	2	1	0	1	5	3
Mississippi		0	3	9	9	_	0	0			—	0 0	2	1	
Tennessee <sup>†</sup>	4 3	3	8 13	43 50	42 68	_	0 1	3 29	12 18	27 49	_	1	2 18	5 21	8
W.S. Central Arkansas <sup>†</sup>	2	0	2	50 4	11	_	0	29	10	49	_	0	18	21	42 2
Louisiana	_	0	3	8	4	_	0	1	_	_	_	0	1		2
Oklahoma	—	0	2	2	7	—	0	0	—	—	—	0	1	2	3
Texas <sup>†</sup>	3	2	11	36	46	—	1	29	18	49	—	1	17	17	35
Mountain	—	2	10	45	94	1	0	3	7	13	—	1	4	32	29
Arizona Colorado		1 0	7	15 4	28 18	_	0 0	1 1	3	2	—	0 0	4 3	14	13 9
Idaho <sup>†</sup>	_	0	2 1	4	2	_	0	2	1	4	_	0	1	12 1	9
Montana <sup>†</sup>	_	Ő	1		4	1	Ő	1	1	1	_	Ő	1		1
Nevada <sup>†</sup>	_	0	2	8	16	_	0	1	_	_	—	0	2	3	3
New Mexico <sup>†</sup>	—	0	2	4	5	—	0	1	1	4	—	0	1	2	
Utah Wyoming <sup>†</sup>	_	0 0	2 2	9 1	16 5	_	0 0	1 0	1	2	_	0 0	0	_	3
Pacific	7	5	21	147	146	_	3	11	72	93	3	4	10	75	65
Alaska	_	0	0		2	_	0	1	1	4	_	0	2	3	2
California	7	4	15	133	124	_	2	9	53	58	3	2	10	55	38
Hawaii	_	0	1	1	1	Ν	0	0	N	Ν	—	0	1	2	2
Oregon	_	0	2 6	4	8	_	0	3 4	18	26	—	0	3 5	5	6 17
Washington	_	U	0	9	11		U	4	_	5	_	0	5	10	17
Territories American Samoa C.N.M.I.	N	0	0	N	N	N	0	0	N	N	_	0	0	_	_
Guam	_	0	1	_	_	_	0	0	_	_	_	0	0	_	_
Puerto Rico U.S. Virgin Islands	_	0 0	1 0	_	1	Ν	0	0	N	Ν	_	0	1 0	_	4

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly. † Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

	I	Meningoco A	occal diseas Il serogrou		e <sup>†</sup>			Mumps				P	ertussis		
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
United States	8	14	53	425	482	1	9	47	151	2,263	79	380	2,925	6,434	8,804
New England	—	0	4	20	11	_	0	2	1	20	1	9	24	180	205
Connecticut Maine <sup>§</sup>	_	0	1	3	1 3	_	0	0 1	_	11 1	_	1 2	8 8	21 67	33 18
Massachusetts	—	0	2	9	2	—	0	2	1	5	—	4	13	48	129
New Hampshire Rhode Island <sup>§</sup>	_	0	1	1	_	_	0	0	_	3	1	1 0	5 4	29 9	5 17
Vermont <sup>§</sup>	_	0	3	4	5	_	0	0	_	_	_	0	4	6	3
Mid. Atlantic	3	1	6	49	48	_	2	23	20	1,997	15	38	125	674	523
New Jersey	_	0	1	3	15	—	1	6	9	316	_	2	10	54	79
New York (Upstate) New York City	3	0	4 3	16 17	9 12	_	0	3 22	3 8	649 1,015	7	12 0	81 19	223 27	194 38
Pennsylvania	_	0	2	13	12	_	0	16	_	1,015	8	18	70	370	212
E.N. Central	_	2	7	54	80	_	1	7	39	37	14	106	198	1,425	2,054
Illinois	—	0	3	16	17	_	1	3	25	12	—	18	50	317	382
Indiana Michigan	_	0	2 4	7 5	19 11	_	0	1 1	5	3 14	1	10 29	26 57	95 408	333 563
Ohio	_	1	2	18	18	_	Ő	5	9	7	13	31	80	441	642
Wisconsin	—	0	2	8	15	—	0	1	—	1	—	12	26	164	134
W.N. Central	—	1	4	27	35	1	0	4	21	75	10	34	501	523	653
lowa Kansas	_	0 0	1	6 2	8 4	_	0	1 1	4 3	36 4	3	7 2	36 9	83 50	243 93
Minnesota	U	Ő	2	_	3	U	0	4	1	3	Ŭ	0	469	171	24
Missouri	—	0	2	9	14		0	3	6	8	2	6	43	150	205
Nebraska <sup>§</sup> North Dakota	_	0	2 1	7 1	5 1	1	0	1 3	3 4	23	5	3 0	13 30	37 29	64
South Dakota	_	0	1	2	_	_	Ő	1	_	1	_	Ő	2	3	24
S. Atlantic	4	2	8	82	86	—	0	4	10	38	18	35	106	711	774
Delaware	—	0	1	1	_	_	0	0	—		—	0	2	12	7
District of Columbia Florida	3	0 1	1 5	35	43	_	0 0	1 2	2	2 8	9	0 6	2 15	3 153	4 146
Georgia	_	0	2	8	6	_	0	2	1	2	2	4	13	91	112
Maryland <sup>§</sup> North Carolina	1	0	1 3	8	4	_	0	1 2	1 4	8 5	_	2 3	6 35	42 109	60
South Carolina <sup>§</sup>	_	0	3 1	12 7	9 7	_	0	2	4	3	_	3 4	35 25	76	164 181
Virginia <sup>§</sup>	—	0	2	9	15	—	0	2	2	8	7	7	41	180	89
West Virginia	—	0	1	2	2	_	0	0	_	2	_	1	41	45	11
E.S. Central Alabama <sup>§</sup>	_	1 0	3 2	19 9	24 4	_	0 0	1 1	3 1	9 6	2 2	11 3	35 11	189 80	414 120
Kentucky	_	0	1	1	10	_	0	0	_	1		3	16	45	139
Mississippi	—	0	1	2	3	_	0	1	2	—	—	1	10	9	38
Tennessee <sup>§</sup>	—	0	2	7	7	—	0	1		2	_	3	11	55	117
W.S. Central Arkansas <sup>§</sup>	_	1 0	12 1	32 7	56 5	_	1 0	15 1	44 1	45 4	11	31 2	297 18	492 32	1,568 93
Louisiana	_	0	2	6	12	_	0	2	_	4	1	0	3	11	23
Oklahoma	_	0	2	5	14	_	0	1	1	_	_	0	92	17	17
Texas <sup>§</sup>	_	0 1	10	14	25	_	1	14 4	42 4	37	10	28	187	432	1,435
Mountain Arizona	_	0	4 1	33 8	40 10	_	0 0	4	4	12 4	8	42 14	100 29	879 359	648 218
Colorado	_	0	2	8	13	_	Ő	1	3	6	4	10	63	259	80
Idaho <sup>§</sup>	—	0	1	3	5	_	0	1	—	—	4	2	15	59	87
Montana <sup>§</sup> Nevada <sup>§</sup>	_	0	2 1	3 3	1 7	_	0 0	0 1	_	_	_	2 0	16 5	74 15	32 17
New Mexico§	_	0	1	1	3	_	0	2	1	_	_	3	11	60	39
Utah Wuranin - S	_	0	2	7	1	_	0	1	—	2	—	4	16	49	169
Wyoming <sup>§</sup>	- 1	0 4	1 26	 109	102	_	0 0	1 3	9	 30	_	0 103	2 1,710	4 1,361	6 1,965
Pacific Alaska	- -	4	20	109	102	_	0	3 1	9	30 1	_	0	1,710 6	1,361	1,965
California	1	2	17	76	62	_	0	3	3	20	_	96	1,569	1,030	1,639
Hawaii Orogon	_	0	1 3	3	1 23	_	0 0	1 1	2 3	2	_	1 5	7	29	41
Oregon Washington	_	0	3	16 12	23 15	_	0	1	3	1 6	_	5 11	11 131	115 171	163 105
Territories			-	. =			-			-					
American Samoa	_	0	0	_	_	_	0	0	_	_	_	0	0	_	_
C.N.M.I. Guam	_	0	0	_	_	_	3	— 15	 12	392	_	0	 14		- 1
Puerto Rico	_	0	1	_	1	_	3 0	15	12	392	_	0	14	2	1
U.S. Virgin Islands		0	0				0	0	_	_		0	0		_

C.N.M.L: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.
† Data for meningococcal disease, invasive caused by serogroups A, C, Y, and W-135; serogroup B; other serogroup; and unknown serogroup are available in Table I.
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011	, and July 17, 2010 (28th week)*
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Reporting area United States New England Connecticut Maine <sup>§</sup> Massachusetts New Hampshire	Current week 36 1	Previous Med	52 weeks Max	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous 5	2 weeks	Cum	-
United States New England Connecticut Maine <sup>§</sup> Massachusetts	<b>week</b> 36 1		Max						L UIT	CUM	L LITTMIT				Cum
<b>New England</b> Connecticut Maine <sup>§</sup> Massachusetts	1		INIUX	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
Connecticut Maine <sup>§</sup> Massachusetts		60	172	1,242	2,277	703	854	1,812	17,821	21,590	76	93	264	2,131	2,193
Maine <sup>§</sup> Massachusetts		4	18	63	143	6	25	209	662	1,440	2	2	27	64	130
Massachusetts	1	0	8 3	30	67 32	3	0 2	187 8	187	491 64	1	0	27 3	27 14	60
	_	0	0	50	52		15	° 52	62 204	636		0	9	5	6 42
	_	Ő	6	9	4	1	3	12	75	107	_	Ő	3	13	14
Rhode Island <sup>§</sup>	_	0	3	9	12	_	2	62	108	111	_	0	1	1	2
Vermont <sup>§</sup>	_	1	3	15	28	2	1	5	26	31	1	0	2	4	6
Mid. Atlantic New Jersey	10	14 0	33 0	337	596	68	92 15	217 57	2,119 256	2,646 545	9	9 2	30 9	221 33	230 51
New York (Upstate)	10	7	19	161	262	32	25	63	250 561	545 600	8	2	12	55 77	73
New York City	_	0	4	7	130	2	21	53	509	611	_	1	6	35	25
Pennsylvania	_	8	17	169	204	34	32	80	793	890	1	3	10	76	81
E.N. Central	_	2	27	60	102	34	84	203	1,903	3,035	1	11	48	250	372
Illinois Indiana	_	1 0	11 3	17 4	47	_	27 10	61 43	624 192	1,060 388	—	2 2	9 10	46 51	80 61
Michigan	_	1	3 4	4 19	33	2	10	45 49	315	500 444	1	2	7	55	76
Ohio	_	0	12	20	22	32	21	42	544	692	_	2	11	73	62
Wisconsin	N	0	0	N	N	—	11	50	228	451	—	1	16	25	93
W.N. Central	2	2	40	45	138	35	46	121	1,012	1,346	14	13	49	292	429
lowa	_	0	3		11	1	9	34	221	254	_	2	16	67	87
Kansas Minnesota	U	1 0	4 34	18	38 17	6 U	7 1	18 30	161	200 374	U	1	7 20	45	40 131
Missouri	_	0	6	_	36	23	16	43	416	324	10	4	14	109	118
Nebraska <sup>§</sup>	1	1	3	19	30	3	4	13	109	104	4	1	5	48	38
North Dakota South Dakota	1	0	6 0	8	6	2	0 3	15 17	22	14	_	0 1	10	6	3
	23	19	53	 597	643	307	262	624	83 5,168	76 5,082	18	19	4 31	17 476	12 304
S. Atlantic Delaware	25	0	0			1	202	11	63	5,082 62		0	2	470	304
District of Columbia	_	0	0	_	_	_	1	7	26	53	_	0	1	3	6
Florida	—	0	29	54	121	160	107	226	2,121	2,244	9	6	15	202	94
Georgia Maryland <sup>§</sup>	6	0	0 14	163	 195	40 20	40 18	142 54	883 376	913 436	1	2 2	7 8	49	44
North Carolina		6 0	0	105		38	30	241	720	430	3	2	10	46 56	42 25
South Carolina <sup>§</sup>	Ν	Ő	Ő	Ν	Ν	32	30	99	500	409	1	0	4	15	15
Virginia <sup>§</sup>	17	11	27	325	286	16	20	68	443	395	4	3	9	90	67
West Virginia	_	0	30	55	41		0	14	36	93		0 5	5	7	8
E.S. Central Alabama <sup>§</sup>	_	2 1	7 7	66 44	107 44	65 15	60 18	175 52	1,353 367	1,329 346	7 2	5	22 16	159 47	117 27
Kentucky	_	0	2	8	11	15	9	32	198	245		1	6	17	21
Mississippi	_	0	1	1	_	8	21	65	406	373	_	0	12	11	10
Tennessee§	_	1	4	13	52	26	18	53	382	365	5	3	12	84	59
W.S. Central	—	6	54	53	431	123	114	515	2,170	2,442	6	8	151	149	120
Arkansas <sup>s</sup> Louisiana	_	0	10 0	41	13	27 4	14 16	43 52	272 293	237 572	_	1 0	4 2	19 6	28 10
Oklahoma	_	0	30	12	7	_	10	95	164	225	_	0	55	12	9
Texas <sup>§</sup>	—	0	30	_	411	92	84	381	1,441	1,408	6	6	95	112	73
Mountain	—	0	5	8	29	18	47	113	1,099	1,338	12	11	33	255	251
Arizona	Ν	0	0	N	N	4	14	43	328	435	2	2	14	47	31
Colorado Idaho <sup>§</sup>	_	0	0 2	_	2	10 3	10 3	24	268 78	289 80	6 3	3	21 7	61 49	91 26
Montana§	N	0	0	N	N		1	6	52	54	_	1	4	19	20
Nevada§	—	0	2	2	2	—	4	21	86	127	—	0	6	17	11
New Mexico <sup>§</sup>	_	0	2	4	7	1	6	19	108	138	1	1	6	21	16
Utah Wyoming <sup>§</sup>	_	0	3 4	2	2 16	_	6 1	17 8	150 29	187 28	_	1 0	8 3	30 11	40 12
Pacific	_	2	15	13	88	47	103	288	2,335	2,932	7	13	46	265	240
Alaska	_	0	2	9	11		105	5	35	44	_	0	1	205	240
California	_	0	10	_	68	39	77	232	1,786	2,065	4	8	36	176	106
Hawaii	—	0	0	_		8	6	13	168	169		0	3	4	17
Oregon Washington	_	0	2 14	4	9	_	7 13	20 42	115 231	314 340	3	2 2	11 20	37 48	37 79
							15	14	2.31	5.0			20		
Territories American Samoa	Ν	0	0	Ν	Ν	_	0	0	_	2	_	0	0	_	_
C.N.M.I.	_	_	_	_	_	_	_	_	_	—	_	_	_	_	_
Guam	—	0	0			—	0	3	6	6	—	0	0	—	—
Puerto Rico U.S. Virgin Islands	_	0	6 0	20	26	_	6 0	25 0	49	301	_	0	0 0	_	_

C.N.M.L: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly. † Includes E. coli 0157:H7; Shiga toxin-positive, serogroup non-0157; and Shiga toxin-positive, not serogrouped. § Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

									otted Fev	er Rickettsic	osis (includi	-			
			Shigellosis				C	Confirmed				P	robable		
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010
United States	178	258	742	5,218	7,276	5	2	11	57	77	31	23	245	515	639
New England	_	3	20	83	214	_	0	0	_	_	_	0	1	2	1
Connecticut	_	0	18	18	69	—	0	0	_	_	_	0	0	_	1
Maine <sup>§</sup> Massachusetts	_	0 2	4 14	16 42	3 126	_	0	0 0	_	_	_	0	1 0	_	1
New Hampshire	_	0	2	1	5	_	0	0	_	_	_	0	1	1	_
Rhode Island <sup>§</sup>	_	0	4	4	10	_	0	0	_	_	_	0	1	1	_
Vermont <sup>§</sup>	—	0	1	2	1	—	0	0	—	—	_	0	0	—	_
Mid. Atlantic	5	14	74	304	985	2	0	1	6	2	—	1	5	12	50
New Jersey New York (Upstate)	4	3 3	16 18	40 97	232 89	_	0	0	_	1 1	_	0	3 3	2	34 3
New York City	1	5	14	113	175	_	0	0	_	_	_	0	2	5	7
Pennsylvania	_	4	56	54	489	2	0	1	6	_	_	0	2	5	6
E.N. Central	17	17	37	367	1,018	—	0	1	1	1	2	1	5	34	49
Illinois	_	6	20	77	626 31	_	0	1	_	1	-	0	2 3	15	24
Indiana <sup>§</sup> Michigan	_	1 4	4 9	32 76	31 137	_	0	1 0	_	1	2	0	3 1	14	15 1
Ohio	17	5	27	182	178	_	0	1	1	_	_	0	2	5	6
Wisconsin	—	0	4	_	46	—	0	0	—	—	—	0	1	—	3
W.N. Central	6	14	52	184	1,538	1	0	4	8	7	10	4	23	136	132
lowa Kansas <sup>§</sup>	2	0 3	4 12	8 33	32 162	_	0	0	_	_	_	0	1 0	1	3
Minnesota	U U	0	4		29	U	0	0	_	_	U	0	2	_	_
Missouri	4	7	41	134	1,291	1	0	2	5	5	9	4	23	134	127
Nebraska <sup>§</sup>	_	0	10	5	20	_	0	3	3	2	1	0	1	1	1
North Dakota	—	0	0	_	_	—	0	0	—	—	—	0	1	—	1
South Dakota	70	0 66	2 132	4 1,958	4 1,091	_	0	0 6	31	49	8	0 6	0 59	154	173
S. Atlantic Delaware <sup>§</sup>	/0	00	152	1,956	35	_	0	0	1	49	°	0	2	9	1/5
District of Columbia	_	Ő	3	7	18	_	Ő	1	1	_	_	Ő	0	_	
Florida <sup>§</sup>	57	36	99	1,419	419	—	0	1	3	2	1	0	2	4	6
Georgia	8	13	26	284	385	—	0	3	15	39	_	0	0		
Maryland <sup>§</sup> North Carolina	4	2 3	7 36	46 123	63 74	_	0	1 4	2 5	6	2	0 1	5 47	10 73	27 76
South Carolina <sup>§</sup>	4	1	5	27	37	_	0	1	3		_	0	2	11	70
Virginia <sup>§</sup>	_	2	8	47	59	_	0	2	1	1	5	2	12	45	46
West Virginia		0	66	4	1	_	0	0	_		_	0	1	2	
E.S. Central	7	13	29	290	404	2	0	3	5	11	3	5	26	115	193
Alabama <sup>§</sup> Kentucky	3	5 1	15 6	102 34	78 168	_	0	1 0	_	1 6	_	1 0	6 0	24	36
Mississippi	3	2	7	72	22	_	0	1	1	_	_	0	4	1	13
Tennessee§	1	4	14	82	136	2	0	2	4	4	3	4	20	90	144
W.S. Central	51	57	503	1,200	1,223	_	0	8	_	1	7	1	235	36	36
Arkansas <sup>§</sup> Louisiana	1 2	2 5	7 13	33 96	25 137	_	0	2 0	_	_	7	0	28 1	28 2	12
Oklahoma		2	161	90 40	157	_	0	5	_	_	_	0	202	2 4	1 13
Texas <sup>§</sup>	48	46	338	1,031	906	_	0	1	_	1	_	0	5	2	10
Mountain	9	17	32	361	337	—	0	5	6	2	1	0	7	26	4
Arizona	6	7	19	112	182	—	0	4	6	_	—	0	7	20	_
Colorado <sup>§</sup> Idaho <sup>§</sup>	3	2 0	7 3	43 12	45 12	_	0	1 0	_	_	1	0	1 1	2 1	1
Montana <sup>§</sup>	_	1	15	104	4	_	0	0	_	2	_	0	0	_	1
Nevada <sup>§</sup>	_	0	6	10	17	_	Ő	Ő	_	_	_	Ő	Ő	_	
New Mexico <sup>§</sup>	—	3	10	55	59	—	0	0	—	—	—	0	0	—	1
Utah	—	1	4	24	18	—	0	0	—	—	—	0	1	_	1
Wyoming <sup>§</sup> Pacific	 13	0 23	1 63	1 471	466	_	0	0 2	_	4	_	0	1 0	3	
Alaska	13	23	2	471	466	N	0	2	N	4 N	N	0	0	N	N
California	13	18	59	369	368	_	Ő	2	_	4	_	0	Ő	_	_
Hawaii	_	1	3	30	31	Ν	0	0	Ν	N	Ν	0	0	Ν	N
Oregon	—	1	4	26	33	—	0	0	—	—	—	0	0	—	1
Washington	_	2	22	43	34	_	0	1	_	_	_	0	0	_	
Territories		-		-	-		-	_				-	_		
American Samoa C.N.M.I.	—	1	1	1	1	N	0	0	N	N	N	0	0	N	N
Guam	_	0	1	1	5	N	0	0	N	N	N	0		N	N
Puerto Rico	_	0	1	_	3	N	0	0	N	N	N	0	0	N	N
U.S. Virgin Islands		Ő	0	_	_	_	Ő	Õ	_	_	_	Ő	Ő	_	_

C.N.M.I.: Commonwealth of Northern Mariana Islands.

C.N.M.: Commonwealth of Northern Marina Islands.
U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.
† Illnesses with similar clinical presentation that result from Spotted fever group rickettsia infections are reported as Spotted fever rickettsioses. Rocky Mountain spotted fever (RMSF) caused by Rickettsia rickettsii, is the most common and well-known spotted fever.
© constried data used to the weat to the National II for the communication (NEDEC).

<sup>§</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

			2	Streptococ												
			All ages			Age <5					Syphilis, primary and secondary					
	Current	Previous	revious 52 weeks		Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous 5	52 weeks	Cum	Cum	
Reporting area	week	Med	Max	Cum 2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010	
United States	92	287	937	8,165	9,744	5	23	101	622	1,192	45	259	363	6,198	6,982	
New England	3	11	79	260	530	_	1	5	26	69	3	8	19	207	242	
Connecticut Maine <sup>§</sup>	_	0 2	49 13	8 82	232 80	_	0	3 1	6 3	20 5	_	1 0	8 3	32 10	47 14	
Massachusetts	_	0	3	14	52	_	0	3	6	36	2	5	14	124	150	
New Hampshire	—	2	8	68	75	—	0	1	5	4	—	0	3	12	11	
Rhode Island <sup>§</sup>		1	36	39	35	_	0	3	1	1	1	0	7	24	18	
Vermont <sup>§</sup>	3	1	6	49	56	_	0	2	5	3		0	2	5	2	
Mid. Atlantic New Jersey	1	23 6	81 29	597 128	1,013 451	_	3 1	27 4	79 26	154 39	7	31 4	46 10	730 101	892 129	
New York (Upstate)	1	2	10	56	101	_	1	9	31	77	2	3	20	98	66	
New York City	_	14	42	413	461	_	0	14	22	38	1	15	31	353	492	
Pennsylvania	N	0	0	N	N	N	0	0	N	N	4	7	13	178	205	
E.N. Central	16	65	110	1,926	1,993	1	4	10	109	177	1	31	56	722	1,030	
Illinois Indiana	N	0 15	0 32	N 399	N 451	N	0	0 4	N 17	N 35	_	14 4	23 14	305 86	507 84	
Michigan	4	15	29	437	456	_	1	4	24	56	_	4	10	99	143	
Ohio	11	26	45	806	771	1	2	7	56	60	1	9	21	209	270	
Wisconsin	1	9	24	284	315	—	0	3	12	26	—	1	4	23	26	
W.N. Central	1	5	35	93	515		1	5	4	70	—	7	18	140	156	
lowa Kansas	N N	0	0 0	N N	N N	N N	0	0	N N	N N	_	0 0	3 3	11 9	12 10	
Minnesota	U	1	24	_	387	U	0	5	_	57	U	3	10	56	50	
Missouri	N	0	0	Ν	Ν	N	0	0	Ν	N	_	2	9	59	79	
Nebraska§	1	2	9	75	87	—	0	1	4	11	—	0	2	5	5	
North Dakota South Dakota	N	0	18 0	18 N	41 N	N	0	1 0	N	2 N	_	0	1 1	_	_	
South Dakota	32	70	170	2,292	2,640	1	6	22	167	328	19	64	178	1,588	1,581	
Delaware		1	6	33	2,040	_	0	1				04	4	1,588	3	
District of Columbia	_	1	3	28	52	_	0	1	4	7	_	3	8	99	76	
Florida	5	23	68	897	979	—	3	13	80	132	—	22	44	568	560	
Georgia Maryland <sup>§</sup>	17 10	20 9	54 32	574 337	838 338	1	2	7 4	41 19	99 38	6	11 8	130 17	258 223	336 140	
North Carolina	N	0	0	557 N	558 N	N	0	0	N	N	12	7	19	195	242	
South Carolina <sup>§</sup>	_	8	25	298	336	_	1	3	18	37	_	4	10	111	73	
Virginia <sup>§</sup>	N	0	0	Ν	N	N	0	0	N	N	1	4	16	120	148	
West Virginia	_	1	48	125	74	_	0	6	5	15	_	0	2	2	3	
E.S. Central Alabama <sup>§</sup>	7 N	19 0	36 0	586 N	673 N	2 N	1 0	4 0	37 N	65 N	4	15 4	34 11	363 93	461 133	
Kentucky	N	0	0	N	N	N	0	0	N	N	_	2	16	58	71	
Mississippi	N	0	0	N	N	N	0	0	N	N	2	3	16	77	103	
Tennessee§	7	19	36	586	673	2	1	4	37	65	2	5	11	135	154	
W.S. Central	22	31	368	1,171	1,163	1	4	30	107	154	—	35	71	867	1,067	
Arkansas <sup>§</sup> Louisiana	1	3 3	26 11	146 104	112 63	_	0	3 2	12 9	11 16	_	3 7	10 36	97 175	135 219	
Oklahoma	N	0	0	N	N	N	0	0	N	N	_	1	6	25	54	
Texas <sup>§</sup>	21	26	333	921	988	1	3	27	86	127	_	23	33	570	659	
Mountain	10	32	72	1,140	1,150	—	3	8	85	160	2	12	23	283	315	
Arizona	7	12	45	539	566	_	1	5	39	75	_	4	9	101	119	
Colorado Idaho <sup>§</sup>	2 N	11 0	23 0	352 N	333 N	N	1 0	4	25 N	46 N	_	2	8 2	61 4	71 2	
Montana <sup>§</sup>	N	0	0	N	N	N	0	0	N	N	_	0	1	3	2	
Nevada <sup>§</sup>	N	0	0	N	N	N	0	0	N	N	2	3	9	77	53	
New Mexico <sup>§</sup>	1	3	13	158	110	_	0	2	10	13	—	1	4	32	23	
Utah	—	3 0	8	72 19	131	—	0	3 1	11	24	—	0	4 0	5	45	
Wyoming <sup>§</sup> Pacific	_	3	15	100	10	_	0	2		2 15	9	0		1 200	1 220	
Alaska	_	3	11 11	99	67 67	_	0	2	8	15	9	52 0	66 1	1,298 1	1,238 3	
California	Ν	0	0	N	N	Ν	0	0	Ň	N	8	41	57	1,071	1,053	
Hawaii		0	3	1			0	0			_	0	5	7	22	
Oregon	N	0	0	N	N	N	0	0	N	N	1	1	7	49	32	
Washington	N	0	0	N	N	N	0	0	N	N	_	6	13	170	128	
Territories American Samoa	N	0	0	Ν	N	Ν	0	0	N	N		0	0		_	
C.N.M.I.	IN			IN	IN	IN			IN		_			_	_	
Guam	_	0	0	_	_	_	0	0	_	_	_	0	0	_	_	
Puerto Rico	—	0	0	_	_	_	0	0	_	_	4	4	13	134	123	
U.S. Virgin Islands	_	0	0	_	—	_	0	0	—	_	_	0	0	_	_	

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly. \* Includes drug resistant and susceptible cases of invasive Streptococcus pneumoniae disease among children <5 years and among all ages. Case definition: Isolation of S. pneumoniae from a normally sterile body site (e.g., blood or cerebrospinal fluid). \$ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 16, 2011, and July 17, 2010 (28th week)\*

						West Nile virus disease <sup>†</sup>										
	Varicella (chickenpox)					Neuroinvasive					Nonneuroinvasive <sup>§</sup>					
	Current	Previous	52 weeks	Cum	Cum	Current	Previous	52 weeks	Cum	Cum	Current	Previous 5	52 weeks	Cum	Cum	
Reporting area	week	Med	Max	2011	2010	week	Med	Max	2011	2010	week	Med	Max	2011	2010	
United States	74	252	367	6,477	9,379	—	0	71	4	49	—	0	53	5	65	
New England Connecticut	3	17 5	46 16	456 147	642 195	_	0	3 2	_	_	_	0 0	2 2	_	1 1	
Maine <sup>¶</sup>	_	5	16	115	114	_	0	0	_	_	_	0	0	_	_	
Massachusetts	_	3	17	103	174	_	0	2	_	_	_	0	1	_	_	
New Hampshire	—	1	9	9	77	—	0	1	—	—	—	0	0	—	—	
Rhode Island¶ Vermont¶	3	0 2	5 10	18 64	18 64	_	0	0 0	_	_	_	0 0	0 0	_	_	
Mid. Atlantic	3 20	2 31	57	64 999	1,036	_	0	19	_	2	_	0	13	_	2	
New Jersey	5	9	50	457	376	_	0	3	_		_	0	6	_		
New York (Upstate)	N	0	0	Ν	N	—	0	9	—	1	—	0	7	—	2	
New York City		0	0			_	0	7	—	1	—	0	4	_	_	
Pennsylvania E.N. Central	15 12	18 68	41 118	542 1,719	660 3,133	_	0	3 15	_	1	_	0 0	3 7	_	- 1	
Illinois	12	18	31	435	778	_	0	10	_		_	0	4	_	_	
Indiana¶	1	4	18	131	234	_	0	2	_	_	_	0	2	_	_	
Michigan	2	20	38	558	963	_	0	6	_	_	_	0	1	_	_	
Ohio	9	20	58	594	834	—	0	1	—	1	—	0	1	—	_	
Wisconsin W.N. Central	_	1 12	22 42	1 210	324 489	_	0	0 7	1	_	_	0 0	1 11	_	1 17	
lowa	N	0	42	210 N	469 N	_	0	1		_	_	0	2	_		
Kansas¶	_	4	15	65	210	_	0	1	_	_	_	0	3	_	4	
Minnesota	U	0	0	_	_	U	0	1	_	_	U	0	3	_	_	
Missouri	_	5	24	100	230	_	0	1	_	_	_	0	0	_		
Nebraska <sup>¶</sup>	_	0	5 10	3	5	_	0	3	_	—	—	0	7	_	6	
North Dakota South Dakota	_	1	7	23 19	29 15	_	0	2 2	1	_	_	0	2 3	_	2 5	
S. Atlantic	13	36	64	1,056	1,356	_	0	6	_	1	_	0	4	_	3	
Delaware <sup>¶</sup>	_	0	3	5	19	_	0	0	_	_	_	0	0	_	_	
District of Columbia		0	2	12	15	—	0	1	—	—	—	0	1	—	—	
Florida <sup>¶</sup> Georgia	10 N	15 0	38 0	530 N	668 N	_	0	3 1	_	_	—	0 0	1 3	_		
Georgia Maryland <sup>¶</sup>	N	0	0	N	N	_	0	3	_	1	_	0	3	_	3	
North Carolina	N	0	Ő	N	N	_	0	0	_	_	_	0	0	_	_	
South Carolina <sup>¶</sup>	_	0	8	11	74	_	0	1	_	_	_	0	0	_	_	
Virginia <sup>¶</sup>	3	9	25	257	319	—	0	1	—	—	—	0	1	—	—	
West Virginia E.S. Central	_	7 5	32 15	241 167	261 185	_	0	0 1	_	2	_	0 0	0 3	1	- 1	
Alabama <sup>¶</sup>	_	5	15	158	165	_	0	0	_	2	_	0	5 1	_	1	
Kentucky	Ν	0	0	N	N	_	0	1	_	_	_	0	1	_	_	
Mississippi	_	0	3	9	7	_	0	1	_	1	_	0	2	1	_	
Tennessee	N	0	0	N	N	—	0	1	_	_	—	0	2	_	_	
W.S. Central Arkansas <sup>¶</sup>	24	44 3	258 17	1,419 119	1,775 125	_	0	16 3	1	5	_	0 0	3 1	1	1	
Louisiana	_	2	5	48	47	_	0	3	_	3	_	0	1	_	_	
Oklahoma	Ν	0	0	N	N	_	0	1	_	_	_	0	0	_	_	
Texas <sup>¶</sup>	24	38	247	1,252	1,603	_	0	15	1	2	_	0	2	1	1	
Mountain	1	13	50	388	694	—	0	18	2	31	—	0	15	3	32	
Arizona Colorado¶	1	0 5	0 31	150	249	_	0	13 5	2	30 1	_	0 0	9 11	2	21 9	
Idaho¶	N	0	0	150 N	249 N	_	0	0	_	_	_	0	1	_	9	
Montana¶	_	2	28	92	148	_	Ő	Ő	_	_	_	Ő	0	_	_	
Nevada¶	N	0	0	N	N	_	0	0	_	_	_	0	1	_	1	
New Mexico <sup>¶</sup>	_	1	8	23	68	_	0	6	_	_	_	0	2	_	_	
Utah Wyoming <sup>¶</sup>	_	4	26	116 7	216	_	0 0	1	_	_	_	0	1	1	- 1	
Pacific	1	0 2	3 6	63	13 69	_	0	8	_	7	_	0 0	6	1	7	
Alaska	_	1	5	30	27	_	0	0	_	_	_	0	0	_	_	
California	—	0	3	6	21	—	0	8	—	7	_	0	6	—	7	
Hawaii	1	1	4	27	21	—	0	0	—	—	—	0	0	_	_	
Oregon Washington	N N	0	0	N N	N N	—	0	0 1	—	—	—	0 0	0 1	_	_	
	IN	0	0	IN	IN		U	1				0	1			
Territories American Samoa	Ν	0	0	N	Ν		0	0				0	0			
C.N.M.I.	IN			IN	IN	_			_	_	_			_	_	
Guam	_	0	4	16	17	_	0	0	_	_	_	0	0	_	_	
Puerto Rico	_	6	28	70	364	—	0	0	_	_	_	0	0	—	_	
U.S. Virgin Islands	_	0	0	_	_		0	0	_	_	_	0	0	_	_	

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 U: Unavailable. —: No reported cases. N: Not reportable. NN: Not Nationally Notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
Case counts for reporting year 2010 and 2011 are provisional and subject to change. For further information on interpretation of these data, see http://www.cdc.gov/osels/ph\_surveillance/ nndss/phs/files/ProvisionalNationa%20NotifiableDiseasesSurveillanceData20100927.pdf. Data for TB are displayed in Table IV, which appears quarterly.
Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for California serogroup, eastern equine, Powassan, St. Louis, and western equine diseases are available in Table I.

<sup>§</sup> Not reportable in all states. Data from states where the condition is not reportable are excluded from this table, except starting in 2007 for the domestic arboviral diseases and influenza-

associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/osels/ph\_surveillance/nndss/phs/infdis.htm. <sup>¶</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

		All ca	uses, by a	age (years	;)										
Reporting area	All Ages	≥65	45-64	25-44	1–24	<1	P&l <sup>†</sup> Total	Reporting area (Continued)	All Ages	≥65	45-64	25-44	1–24	<1	P&I <sup>†</sup> Total
New England	530	360	117	33	12	8	41	S. Atlantic	1,126	686	297	85	37	21	60
Boston, MA	139	81	41	10	4	3	14	Atlanta, GA	154	86	46	10	7	5	8
Bridgeport, CT	38	28	7	3	_	_	1	Baltimore, MD	136	74	42	10	8	2	13
Cambridge, MA Fall River, MA	25 27	15 21	8 3	2 3	_	_	4 1	Charlotte, NC Jacksonville, FL	125 101	84 58	30 32	9 6	1 1	1 4	3 8
Hartford, CT	53	34	13	2	4	_	6	Miami, FL	118	83	25	6	1	3	5
Lowell, MA	27	24	3		_	_	1	Norfolk, VA	58	33	8	13	3	1	2
Lynn, MA	8	5	3	_	_	_	_	Richmond, VA	69	39	21	5	3	1	3
New Bedford, MA	18	16	2	_	_	_	3	Savannah, GA	65	46	15	2	1	1	6
New Haven, CT	27	16	6	4	1	_	3	St. Petersburg, FL	51	33	12	5	_	1	3
Providence, RI	61	44	12	3	_	2	3	Tampa, FL	152	95	40	10	6	1	8
Somerville, MA		_	_	_	_	_	_	Washington, D.C.	88	49	24	8	6	1	1
Springfield, MA	33	22	8	1	1	1	2	Wilmington, DE	9	6	2	1			
Waterbury, CT	18 56	16 38	1 10	1 4	2	2	3	E.S. Central	897 194	591 119	208 46	56 14	20 8	22 7	71 17
Worcester, MA Mid. Atlantic	1,850	30 1,249	425	4 114	43	19	86	Birmingham, AL Chattanooga, TN	97	76	40	14	0 1	1	10
Albany, NY	44	33	423		43	2	1	Knoxville, TN	97	70	15	6	1	5	7
Allentown, PA	26	21	5	_	_	_	_	Lexington, KY	60	40	15	3	1	1	, 1
Buffalo, NY	69	49	16	1	2	1	6	Memphis, TN	183	108	60	12	2	1	26
Camden, NJ	24	18	3	2	1	_	1	Mobile, AL	73	51	14	4	2	2	_
Elizabeth, NJ	21	13	8	_	_	_	_	Montgomery, AL	37	26	10	_	_	1	_
Erie, PA	42	29	10	2	1	_	6	Nashville, TN	156	101	37	9	5	4	10
Jersey City, NJ	20	16	3	1	—	—	—	W.S. Central	1,299	788	339	108	38	25	62
New York City, NY	1,008	693	228	57	21	9	48	Austin, TX	72	43	20	7	1	1	7
Newark, NJ	39	8	11	13	6	1	—	Baton Rouge, LA	65	42	10	9	3	1	
Paterson, NJ Philadelphia, PA	23 221	18 124	2 66	2 21	7	1 3	— 11	Corpus Christi, TX Dallas, TX	64 220	37 125	22 67	2 14	7	3 6	5 6
Pittsburgh, PA <sup>§</sup>	221	124	6	21	_		1	El Paso, TX	133	95	28	5	4	1	3
Reading, PA	34	23	8	2	1	_	_	Fort Worth, TX	155 U	U	20 U	U	Ŭ	Ů	U
Rochester, NY	91	64	20	5	1	1	5	Houston, TX	212	102	51	35	13	11	15
Schenectady, NY	30	22	6	1	_	1	2	Little Rock, AR	77	46	24	5	2	_	_
Scranton, PA	28	21	5	1	1	_	1	New Orleans, LA	U	U	U	U	U	U	U
Syracuse, NY	48	38	9	1	_	_	3	San Antonio, TX	245	162	60	16	6	1	15
Trenton, NJ	25	18	6	1	_	_	_	Shreveport, LA	34	22	6	6	_	_	_
Utica, NY	14	11	2	1	_	_	1	Tulsa, OK	177	114	51	9	2	1	11
Yonkers, NY	17	11	4	2			_	Mountain	1,159	749	276	78	37	14	56
E.N. Central	2,049	1,382	467	123	36	41	132	Albuquerque, NM	134	78	37	14	3	2 1	6 5
Akron, OH Canton, OH	61 34	43 25	12 7	3 2	3	_	4 4	Boise, ID Colorado Springs, CO	71 74	48 53	15 13	4 7	3 1	_	5 5
Chicago, IL	205	146	45	8	6	_	11	Denver, CO	74	43	21	6	3	1	3
Cincinnati, OH	73	37	26	7	1	2	2	Las Vegas, NV	278	177	77	11	8	5	15
Cleveland, OH	275	205	54	10	4	2	13	Ogden, UT	40	30	5	2	2	1	5
Columbus, OH	216	152	45	14	1	4	18	Phoenix, AZ	156	99	37	9	6	3	8
Dayton, OH	147	108	25	9	5	_	5	Pueblo, CO	36	22	10	2	2	—	2
Detroit, MI	161	82	48	16	6	9	8	Salt Lake City, UT	124	82	20	16	5	1	4
Evansville, IN	64	42	19	3	_	_	3	Tucson, AZ	172	117	41	7	4	_	3
Fort Wayne, IN	69	38	21	6	2	2	4	Pacific Parkelay CA	1,688	1,150	381	85	34	38	140
Gary, IN Grand Rapids, MI	8 72	4 43	3 18	1 8	2	1	5	Berkeley, CA Fresno, CA	13 124	7 83	3 28	2 6	3	1 4	3 10
Indianapolis, IN	186	125	47	o 5	2	7	8	Glendale, CA	31	85 24	28 7	0	2	4	7
Lansing, MI	42	27	11	2		2	3	Honolulu, HI	77	51	16	5	3	2	4
Milwaukee, WI	93	53	25	10	2	3	11	Long Beach, CA	66	47	14	2		3	8
Peoria, IL	52	38	8	3	_	3	9	Los Angeles, CA	262	166	59	16	7	14	20
Rockford, IL	62	45	10	4	1	2	2	Pasadena, CA	19	18	_	1	_	_	4
South Bend, IN	51	41	6	2	_	2	5	Portland, OR	126	90	25	7	3	1	4
Toledo, OH	113	77	26	8	1	1	12	Sacramento, CA	190	128	50	8	2	2	16
Youngstown, OH	65	51	11	2	_	1	5	San Diego, CA	167	112	40	6	3	6	11
W.N. Central	392	246	100	31	12	3	37	San Francisco, CA	108	76	27	5	_		12
Des Moines, IA	10	7	2	1			10	San Jose, CA	179	125	40	9	3	2	17
Duluth, MN	U 10	U	U	U	U	U	U	Santa Cruz, CA	21	16	3	1	1		1
Kansas City, KS	19	8	8	2		1	4	Seattle, WA	96 72	64	22	6	3	1	3
Kansas City, MO Lincoln, NE	115 54	66 42	35 10	8 2	6	_	9 1	Spokane, WA Tacoma, WA	72 137	48 95	16 31	6 5	6	2	11 9
Minneapolis, MN	54 U	42 U	U	2 U	U		U								
Omaha, NE	88	54	21	8	4	1	4	Total <sup>¶</sup>	10,990	7,201	2,610	713	269	191	685
St. Louis, MO	18	10	3	5	_	_	2								
St. Paul, MN	U	U	Ŭ	Ū	U	U	Ū								
Wichita, KS	88	59	21	5	2	1	7	1							

U: Unavailable. —: No reported cases. \* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of >100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

<sup>4</sup> Pneumonia and influenza.
<sup>5</sup> Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.
<sup>1</sup> Total includes unknown ages.

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